

SPARKS

PUBLISHED BY AND FOR MEMBERS OF THE

Tri-State Amateur Radio Society

EVANSVILLE, INDIANA

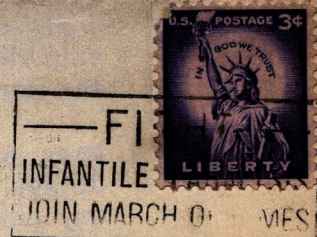
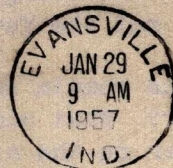
AN AFFILIATE OF THE AMERICAN RADIO RELAY LEAGUE

A MEMBER OF THE INDIANA RADIO CLUB COUNCIL

RETURN TO

Lowell A. Goodson
4512 Sweetser Ave.
Evansville 15, Indiana

W9RBV



TO

Clifford McGuyer
1321 S. Governor St.
Evansville 13, Indiana

W9DGA

OG's QSO

On a certain meeting last year, several of the members were asked to step outside of the meeting room. When we returned, an announcement was made that the members present had elected me as the president of TARS. My only wish and prayer is that I can fulfill this office in dignity and to the betterment of our club. Each and every step that I take will be weighed very carefully, in order that the results will benefit the over-all operations of TARS and its' members.

There were nine in attendance at our first board meeting of this year. I will have to admit that we have started this year at a slow pace. A few committees were established, but not all; however, each member is hereby appointed a Full Time (Unpaid) TARS Booster.

Our organization is a democratic organization, and a worthy one; but, if I am to represent you as your president, I insist that all functions and activities be cleared through this office. This does not mean that I expect to supervise each and every activity, but that I be kept informed well in advance of all planned activities. To me this is a must, and if it is not in accordance with the wishes of the majority of the members- then another election for president will be in order.

To all of you who are members or are not members, but have the Amateur Radio spirit, I invite you to drop a note or letter to me concerning any suggestions (or gripes) for the improvement of club policies, unsigned, if you so desire. Each letter or note will be given every consideration according to my policy stated above, and that is- for the many and not the few.

Many questions remain unanswered in my mind. What kind of a meeting do you prefer? What sort of a monthly paper do you like? Are there any particular on-the air activities which you would like the club to sponsor? What are your gripes? The earlier that I receive your note, the earlier we can use your suggestion.

73.

Ray

SPECIAL NOTE

MAIL ALL CORRESPONDENCE TO OUR SECRETARY,
WILBUR WEISLING, W9OVB

719 N. MAIN ST., EVANSVILLE, INDIANA

ALL REMITTANCES FOR DUES OR SPARKS TO ACTING TREAS.
FAY A. GEHRES, W9AIN

2232 E. POWELL AVE., EVANSVILLE, INDIANA

R.G.M.

1957 is a new year with many new opportunities for the active amateur to contact old friends, new friends and DX. The sunspot cycle will favor us with conditions few of us can remember and truly new for all licensed in the past few years. During the vacation season W9ABW was very active mobile, as was W9MCN. Gordon, W9MZE, was home from Tri-State College, W9UWU from M I T and W9DQI from Wabash. W9ABW, W9SWN and W9WQQ worked hard and long to organize communications for the MS telethon and helped on collections. W4CSN is organizing an amateur radio television show for WEHT. This will be a Sunday afternoon broadcast and those interested in participating should contact W9OG as soon as possible. W9WQQ, W9SWN and W9NAT keep 29.5 busy mobile and W9KYI and W9KXV reply from their fixed stations. Doc, W9YZO, is busy on 75 fixed and 10 mobile while W9BKQ is busy rebuilding. W9VSD, K9GGW, W9BBW and W9VZX are active on 29.6 and are planning some new mobiles. Ronnie, W9VSD, surprised himself by working a KL7 in Alaska. Ray works the DL4's like locals and Pat, W9YFD, is heard chasing the hard to get DX. W9ZPP has been on regularly since the first of the year. Harold, W9KIE, has recently paid his TARS dues for several years. W9WNM, W9URQ, W9UNS, W9LBD, K4AML, W9HKJ, W9PNE and K9AYH also sent in their dues. KN9GEO recently joined the club. W9GPR mobiles into Evansville from Vincennes often. W9JUH is heard on 10 with 400 watts. W9GFX and W9FHA are busy with school and work but get on the air when possible. W9EHU sends seasons greetings from the deep south. W6TOD and ex-W9THD works W9JTU and W9OG with a good signal. Gil sends greetings and reports a nice promotion at Cal. Tech. W6PKM recently worked W9OG, W9BBN, W9UNT and ye Editor. Paul ex-W9NEC was the originator of the 29.6 mobile net and was the original Mobile Editor.

W9AZJ an ex-TARS Secretary, called while visiting his father. Bob listens regularly to W6TOD and W6PKM from Cincinnati. K9DIP mobiled in from Sturgis and sends regards from Bill, W4LUR, and Jake, W4JBN. Warren, W4PKX, reports from his new home at 211 Springer Drive. Bethel, W4NUQ, and Harvey, W4RYM, report some receiver trouble at W4RYM. W9LVL is busy working all bands mobile. KN9EKV and W9HX renewed their ARRL memberships. W9RIT and K9EEY are working out on their new DX-100. W9RBV and W9WUH are heard on 29.6 mobile. KN9EYD and KN9DRI are really making the contacts. KN9EKV and K9AYH are operating the new Sunday Net from W9LIT in the trailer at 8 A.M. on 80 at novice speed. W9KEP keeps busy on 29.6 mobile. Ray, W9OG, our new President, is planning some new and interesting activities for the club for 1957. Your ideas and cooperation in these undertakings will be beneficial to the club, to amateur radio and to each member. Let us boost and enjoy our hobby.

T A R S C O N T E S T S

TARS new president, Ray Miller, W9QG, has appointed a contest chairman in an attempt to stimulate on the air activities of our members. Before the war and after the ban was lifted local amateurs participated and enjoyed many types of local contests.

Scheduled for March, date to be announced later, will be a transmitter hunt on 27 megacycles with a steady tone signal. This will give time for all a chance to check their loops and gear, and the rest to construct a converter and loop of some type.

Our first contest will start after the January meeting, Wednesday January 30. At the regular January meeting the 48 states plus VE1 to VE7 will be placed in a hat and ten states and/or VE1-VE7 will be drawn and posted. The contest is for members to work the drawn states and receive QSL cards, or other written confirmation. The purpose of working the states is to get you on the air, for a purpose. The purpose of getting the QSL cards is to complete the QSO and make it complete. Then at the regular February meeting, Wednesday February 27 bring what QSL cards you have received to the meeting. The only closing time of the contest is to get the QSL cards to the February meeting. Be sure to bring your cards even if it is only one, for a special door prize will be drawn from those members presenting QSLs at the February meeting. The winner or winners will receive a nice certificate, suitable for framing. A rotating trophy of some type will be given and kept by the winner until the next contest. We hope to have one contest of some type each month. Winners will be listed in an Honor Roll box each month in Sparks. Once you make the roll it will be listed the rest of this year. Dust off the old rig and prepare for the coming contest. Be at the January meeting for the states drawing. If you can't make it get the list from a friend and go to work. Then bring your QSL cards to the February meeting.

Good luck and 73.

W9DGA, Contest Chairman.

DOIN'S IN DX

Hope all of you recovered from New Year in fine style. Get ready for the biggest ARRL DX contest yet in February and March. 10 and 15 should be really hot, along with 20 and possibly 40. Once again we thank W4OMW for the info from the OVARA.

F3AT advises us that PXLEX qsls are all in the mail. PAQWX is back in PZ land and will be on signing probably PZLWX. MD6DNQ was active during the evacuation of Port Said.

Bob, W9FNA, up north reports qsos with GW3BQY and VP2AH and also UB5WF to make 66 wkd. Bob works mostly 15 CW and was happy to receive the WAC award.

We are happy to announce that one of our locals, W9AJR, is back on the air. Dave got the Philmore on 20 and wkd many new states plus PY2AJK. In the same breath we are sad to note that Dave spent the last week in the hospital for an operation on his back. His recovery was rapid, and many have wkd W9AJR/9 from the hospital.

Allen, W9HQF, goes to 158/145 with VP2AH of the Windwards. Pat, W9YFD has no new ones in the wkd list (strange), but he has received cards from VQ2RG and CR6CS. This makes 92 cfmd. Pat received a telephone call from VP2DA who was passing through Evansville on his way to Detroit. They had qsoed on 75 fone over a year ago. Pat also wkd band leader Pee Wee Hunt on 40 meter fone as /8 in Detroit.

Rich, KN9DCF, rises to 17 with OZ5JE on 15 cw. Brice, W9PNE, also rises to 132 with such as VR3B and others. There is a possibility of Navassa operation during the coming DX contest. Be watching. At W9FGX an OZ was finally wkd, OZ2N to make it 104 wkd. No new qsls tho, still 91.

BCNU next month, after the first weekend of the blast. See QST for details.

73,

Bruce

W9FGX

PLEASE NOTE.....forward all copy for SPARKS on or before February 13th to

Clifford McGuyer
1321 S. Governor St.
Evansville 13, Indiana

MULTIPLE SCLEROSIS

MOBILES ACTIVE IN M. S. DRIVE

An even dozen hams responded to the call for assistance from the committee in charge of the Multiple Sclerosis Fund Raising Telethon, last month. The "telethon" was broadcast from WTVW, December 22 and 23. Various civic groups, including the Tri-State Amateur Radio Society, rolled up their sleeves and went to work at 10:00 P.M. Saturday and did not roll them back down again until the job was finished at 3:00 P.M. Sunday afternoon.

W9SWN, Lou, who works at the WTVW control board, started the old ball to rolling, and it was soon picked up by W9ABW, Eddie (enjoying a brief vacation from pounding the books at St. Meinrad), and K9AYH, Walter. They installed the CD AF-67 and associated equipment backstage in the TV studio. Taking turns operating this set-up were: W9KEP, W9V7X, W9WUH, W9ABW, and K9AYH.

Seven mobile stations were active: W9SWN/M, W9ABW/M, W9NYX/M, W9YZO, W9KEP/M, W9OG/M, and W9WUH/M. W9M/E was mobile, using W9SWN/M and W9VSD was mobile operating W9WUH/M. Pledges were received in the TV studio by a battery of telephone operators. They were then given to our ham group backstage, who relayed them out to the mobiles who in turn were acting as communication centers for the various civic groups. Volunteer civic members made the actual collections. The mobiles were spotted at the Fire Stations around town, and this system was found to work out very nicely.

Business was very slow Saturday night and early Sunday morning, but about 10:00 A.M. Sunday morning, the pledges started rolling in faster than the collectors could pick them up. The 29.6 mc circuit was busy almost constantly from then on until 3:30 P.M.

The East Side Kiwanis, Civitan, Seratoma, Hot-Rod, Motorcycle and other civic were out making the collections.

Lew Melloy was lavish in his praise of the work done by the hams and was sorry that time did not permit him to thank each and every one individually.

TARS wishes to extend thanks to the Ladies Amateur Radio Society of Chicago, Ill., for their invitation to any of our members to join them in their celebration of their fifth anniversary at the Austin Y.M.C.A. Cafeteria at 501 N. Central Avenue, Chicago, Ill., at 7:30 P.M. January 26, 1957. XYL's and OM's are invited, according to the LARK invitation. A lot of success to you from TARS.

Any licensed Radio Amateur residing in Michigan, Indiana, Kentucky, West Virginia or Ohio, who performed some unselfish act or service in connection with Amateur Radio in behalf of a group or individual, is eligible as candidate for the DAYTON HAMVENTION Radio Amateur Award. How about a ham who has given his time and effort to building up an emergency net in our area? Or the chap who gave up an evening or two a week teaching the code to a group of kids, so that they could share our hobby? Send a resume of his or her activities, name, call letter, and as much about the person as possible to: D. L. Marquette, "8DHJ, P.O. Box 44, Dayton, Ohio.

Plans have been made for more active A.R.E.C. drills, according to W9KEP. Details will be announced at this month's Tars meeting. On last Friday, Jan. 26, eight enthusiastic hams met at the Red Cross building, to formulate these plans.

THE XTAL CONTROLLED CARRIER

Tri-State novices pse send me reports such as you send ur SCM each month by the date stated in this column. For next month please forward by February 11. 2112 Lincoln, Evansville, Indiana is the QTH.

I would like to see contests sponsored among the Tri-State novices. As a starter, the top three Tri-State Novice Roundup scores will be published in the March Sparks.

Novice Roundup starts February 2nd at 6:00 PM local time and ends February 17th at 9:00 PM. 40 hours of time is the maximum operation permitted.

score = (contacts / code proficiency award) x ARRL sec.wkd.

example: 187 contacts / 10 C.P. award = 197 x 11 sections =

2,167 total points. Each log must contain: Band, Time on & off the air, Date & Time of QSO, ur QSO nr, ur section, His QSO nr, His call, His section and number of sections worked. See the January 1957 QST for further information.

Tom, KN9DRI, is busy with the Civil Air Patrol. His call is Bluefire 76. His rig includes; HQ 129X, S 38A and a cathode modulated Adventurer. Antennas are a 40 M dipole and a CAP folded dipole (4.585 kc.). DX is Miami, Fla.

Yours truly, KN9EEL, uses an NC 88 with select-o-ject, a Viking Adventurer, a 65 ft. wire, and a 40 M folded dipole. The conelrad monitor is a Motorola BC radio. WAS is 17/10 and DX is California.

Roy, KN9EKV, uses a Hammarlund 4-20 xmtr, NC 88 rcvr and 40 and 80 folded dipoles. Santa brought Roy a Bug and he is busy learning to use it. WAS is 18/12 and DX is Kansas.

Joe, KN9EYD, is up there with a WAS of 24/20 using an S 38C and a DX 35. Antenna is a dipole. DX is Midland, Texas.

Edna, KN9GBB, uses an SX 99 and a Viking Ranger. Will appreciate receiving more information from you, Edna.

Nick, KN9GEO, uses an S 38D and a Lettine 240, courtesy of W9SJM. He should have his Viking Adventurer by now. Nick works at the Post Office and the Christmas rush held him to three states.

Evansville's newest novice is Mike, KN9GKT. Mike uses an S 38D and a Knight S 255. (the Knight answ to the Adventurer- 6AG7 - 807-50 watts)

January, 1957

Items of Interest to Hams

W9FJI

This writer hopes that by now, each reader ~~is~~ enjoying a Happy and Prosperous New Year. This promises to be a quite active year for Ham Radio and all should be ready to take part according to their ability.

For a starter, each amateur concerned in the future of the art, should read the editorial in the January issue of CQ magazine. Study this article carefully and determine how it may affect you if the many proposals likely to come up are approved by those concerned.

And right here closer to home, we have the 1957 Indiana General Assembly. This term, a bill will be brought up to reduce the \$5.00 fee now charged for our ham call plates for our cars. It will be up to each and EVERY AMATEUR who thinks anything of his hobby to write to our men at the Assembly. Thier names and the address follows-

.. In a short time, the bill numbers will be known and this data is of vital importance when writing, WAIT for the BILL NUMBER, you will get it. We should write to: State Senators Paul J. Bitz and Albert W. Wesselman, Representatives Walter M. Acker, Peter L. McGrath, Ronald R. Shively and Malcolm Hemenway. You may not have a license plate now, perhaps the \$5.00 has been the deterrent, but do your duty, write when you get the bill number. Keep the list for reference later, TNX.

(editor note - write your senator re: House Bill # 50)

Wonder now that Conelrad is here, how many of the fellows actually have equipment to check for its compliance?? Several fellows have come up with some interesting ideas: Ernie, W9ZYV uses, the AF from the voice coil leads thru a selenium rectifier with a capacitor across to energize a relay which either keeps a light on when energized or turns on a light when out. Earle, W9UNT uses the AF thru a 6.3 filament turned backwards to get 115 AC out and thus operate a relay. Ernie has an old TRF recvr that he has bent the capacitor plates so he gets lots of signal and thus compensate for fading. What do you use?? Perhaps the fellows would like to hear of your ideas.

Jack Evans whom everyone will remember started the RACES in Vanderburgh County has finally rebuilt his parallel 813 rig and is about to go on the air. The rig is completely enclosed to drop any TVI, and will be on 20 meters most of the time. Jack has just been appointed Manager of Jobbers Sales for Potter & Brumfield, makers of the FB relays all you should be using. Congratulations, Jack, we all know you will do a fine job for P&B.

Once upon a time. LaRue, W9EJS really kept the air busy over at Crossville, Illinois and up near Lawrenceville, Ill. LaRue is now over at Henderson, Ky, where he is now K4LFW. He sends a years fees for TARS membership and says he can not be on the air too much as his job as Oil Field Supt. keeps him busy. LaRue uses an HT 20, HQ129X, A home made 6F6-6146 rig and an Elmac PMR6 in the car. LaRue lives near WEHT on the hill, has no room but for a vertical or beam. Glad to hear from you, LaRue, BCNU at TARS meetings?

How many of SPARKS readers who are ARRL appointees, have sent their certificates to Lew, W9NTA for renewal?? And worse yet, why dont you guys write to Lew before the 5th of each month, tell him what you have been doing. It is a good bet that few even of the ARRL appointees write to him, do YOU?

An item in the Billings Montana club paper teels that the Governor of Montana asked the legislature of that state to pass a ham call plate bill, he vetoed one some time ago. Change of heart; ham action did it as it does.

The Washington AutoCall has asked that the following be given wide circulation. Certain Gs have asked that the news be passed about their new four meter band, for possible cross band contacts. The British have just been authorized to use 70.3 Mcs, plus or minus 100 kcs for about a year.

Many six meter operators do not realize that 6 meters is not a universal allocation. Still fewer know that there is an amateur band of 72.0 to 72.8 mcs. Atlantic City 1947 authorizes only the French and USSR to use it, but it is known that other countries are using it, whether on a legal basis or not. Now the British have 70.3 mcs.

70.3 may be useless when TV Channel 4 is used. In Channel 4, the picture frequency is 67.25 and the sound is 71.75. No trouble should be experienced from sound but possibly there would be trouble from the picture even though 3 mcs. away. Of course the local signal might be of sufficient strength that secondary frequencies might make the effort useless. An area where Channel 4 was not in use ought to be ideal for an attempt at a 4/6 meter crossband try. A number of British amateurs are ready for a try at a 10/4 meter cross band.

Many fellows are concerned about getting out on the VHF bands. Just read the articles in either CST or CC, they will tell you everything you need to know, both on propagation, and the gear best to use. St. Louis has some 140 6 meter stations, all set up for DEPENDABLE communications. Can that be said of the 10 meter band??

Several of the fellows have taken advantage of the free tube offer given in the December issue of SPARKS by the writer. Need any 5763s, 2E26s, 12AT7s? Just contact me for the info. The offer will be withdrawn by February 10th, so figure out your aims for VHF and see me, PDC. Current construction at W9FJI includes the mobile rig in December CST, uses a 6417(12volt5763) FB.

Not VHF news but of interest: Have a note from Ed, W9ABW. Ed has a Lettine xmtr for sale, includes an ElectroVoice ceramic mike, plus all coils for 10 thru 80. The Lettine has an 807 in the final, a new oscillator tube, never used much, has plate modulation, in the best of condx, new value over \$90.00, Ed will sell for \$55.00. Give him a buzz.

Also not VHF, pardons to Walter, K9AYH-- recd an improperly addressed CSL for KN9C3B. Called Meg via fone, learned: got license to QSO Son Eddie over in Missouri, no other Eville hams available, uses 40, 7185 but likes 7162 better the S38D lost many QSOs for her, Son Eddie, KNØGKU was 1st completed QSO, he comes home in late January, now has a Ranger and SX99, 13 states worked, 11cnfmd finds the name JIM is the most common, has QSOed one YL, Decatur, Ala., likes morning work best, finds after lunch the best for contacts. FB, Meg.

DL4VT is looking for Eville QSOs on 10, has a buddy there who is from Eville. If you contact DL4VT, be sure to check on the possibility of a message to the buddies people here.

Afetr being off the air for over a year, Nov. 1955, Earle, W9UNT showed up at 627 E. Va. recently, applied his vast knowledge of ham radio, got the PP1625 rig neutralized, bent a copper strap!!! So now W9FJI is ready to get on, cause TVI, panic the children etc. AFTER antennae are put up other than the present 20meter vertical. Gordon said it would be 1957 before it was done!

Not only are the TARS members asked to assist the 1957 officers, they are also expected to attend the meetings, both business and regular, BCNU, BCNU!!

Items of interest to Hams

W9FJI

Now that the new year is here, in ham radio as well as in other activities, and TARS has a set of new officers, have you called Ray, W9OG, TARS Prexy, and offered your services?? I am sure Ray would like to hear from you. He cannot be expected to do the job all by himself. CALL.

The recent Muscular Dystrophy Drive, was assisted as usual by those hams who had mobile rigs and who could help due to the short time existing. Sparked by Lou, W9SWN and Ed, W9ABW, the following all assisted in making the drive more of a success: Gordon, W9KZE, Walter-K9AYH, Doc-W9YZO, John-W9KEP, Mike-W9WQQ, Ronnie-W9VSD, Ray-W9OG, Al-W9NYX. Bill-W9LGQ has just traded cars, had no mobile, and John-W9WUH was putting in long hours getting out Xmas mail to us. Many thanks fellows for the job well done.

Among the DX columns in January QST are the names of Brice, W9PNE who shines on 20CW, and his son, Richard, KN9DCF who does OK on the 15 CW band.

Walter-K9AYH has anew Inter.Xtal converter for 50 mcs. It works but the broadcast stations leak thru and Walter needs some help in getting the unit to do its job properly.

Dave, KN9ELE, up at Winslow also has one of the converters. Coming to Eville recently, he heard some one on but could not get the call. Dave is preparing to go 50 mcs mobile.

Jim-W9BFW has a new Sky-Sweeper beam, from Castrups- that he is using on 10 meters. A loose connection gave him trouble but with the aid of Ed-W9ABW the beam is now all set for much DX.

Perhaps, it must be that all the local hams are like the one who told me he had no occasion to use the FCC rules, he has an advanced ticket, so does not need them- how about that item-I do affirm?- but it seems that the many FB pieces of literature pertaining to ham radio, published to increase our knowledge, all go begging. I refer to the RCA HAM TIPS, and the GE HAM NEWS, the one from Ohio Valley Sound, and the other from Wesco. These are written by fellows who are amateurs, and who know the problems we meet. Why not get copies from Carl or Earle? All free for the asking, you wont regret getting them.

Earle, W9UNT, uses the trap antenna system written about in recent QST by our friend, Max, W9YJH. EHA finds the antenna works FB on all bands, and has QSOed Paul, W6PKM. Paul will be remembered as the originator of the 29.6 frequency here some years ago. Earle looks for Gil, W6TOD when 10 is open but has not found him there as yet. What say, Gil? W9UNT uses a 2 elm beam for 10 since he needs the directional gain in a QRMed band.

TARS members were pleased to see Carlton, W8QLE at a recent TARS meeting with Paul-W4CSN. Carlton used to live in Hendersen. Paul is busy putting a 6N2 unit for 2 and 6 together. He is on 50 mcs many times and has several nice QSLs from FB DX on 50 mcs.

A recent letter from Scotty-K2QQP states he has obtained a CE 20A and is on 75SSB, looks for Lefty and Co. Is on about 900 PM CST and is on 3940 kcs. Scotty renews his SPARKS subscription, and looks for Russ-W9GWL who has been pretty elusive to-date. W9HBD is his closest Eville QSO.

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participate in TARS activities.

MEMO.....forward all colpy for SPARKS on or before
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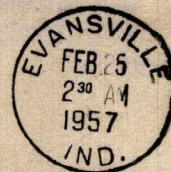
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W9RBV



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Evansville 13, Indiana

W9DGA

THE TRI-STATE AMATEUR RADIO SOCIETY, INC.

1957 OFFICERS and DIRECTORS

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Vice-President	W9MKZ	Charles W. Robertson	502 Lincoln Park Dr.
Secretary	W9OVB	Wilbur Weisling	719 North Main St.
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Director	W9FJI	Fred Sawyer	627 E. Virginia St.
Director	W9YZO	Dr. John E. Alexander	1105 S. E. First St.
Director	SWL	Paul Wurtz	810 S. Governor St.

The Tri-State Amateur Radio Society is a non-profit organization. It was formed to secure the pleasures and benefits of the association of persons commonly interested in Amateur Radio, by furthering better co-operation among its members, developing individual efficiency and furthering the interest of radio in the general community.

The Tri-State Amateur Radio Society owns a 22 foot trailer which houses the Society Station W9LIT. The station includes a Heath DX 100 transmitter, a HQ 140X receiver and a fixed frequency transmitter and receiver on 29.6 Mc. Equipment may be powered by a 3 Kw. engine driven generator. Another station on 29.6 Mc. is located at the local Red Cross office. Vanderburgh County AREC drills are conducted on Monday at 8:00 PM CST.

FEBRUARY SPARKS

Editor	Clifford C. McGuyer	W9DGA
Advertising	Willard Riney	W9MWM
Publication	Lowell A. Goodson	W9RBV
Comments from the President	Raymond G. Miller	W9OG
Mobile News	Fay Gehres	W9AIN
AREC News	John Harkins	W9WUH
Crystal Controlled Carrier	John Hare	KN9EEL
Financial Report 1956	Robert Fink	W9BBN
This and That	Fred Sawyer	W9FJI

PLEASE NOTE.....forward copy for next months issue of SPARKS on or before March 13th to

Clifford McGuyer
1321 South Governor St.
Evansville 13, Indiana

COMMENTS FROM YOUR PRESIDENT



Greetings,

To those of you who are contributing articles to SPARKS, I want to extend my personal thanks. There will be times when the information which you pass on to the editor may be cut, in order that there will not be too much duplication. Delegating the work of issuing SPARKS to more than one person will necessitate a tighter schedule. Please try to have your article delivered to the editor at the time he requests it. We are trying hard to improve the contents and style of your paper.

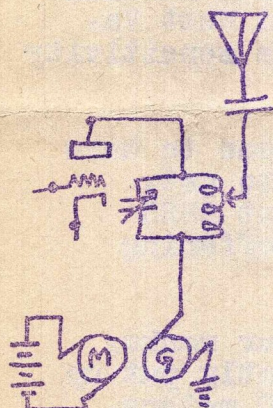
At the last board meeting, it was decided to have a questionnaire prepared for a TARS sponsored instruction class. Our V. P., Robby, W 9MKZ, has provided this form, which is enclosed with this issue. If you have a friend (does not have to be a member) who is interested, please give him a copy, or give his name to me. In order to get this rolling, we must have your immediate response.

Referring to my article in January SPARKS, there were a number of questions asked; however, not a single word was received in reply. I will appreciate any comments from you.

See elsewhere in this issue concerning program planned for March. The April meeting should be interesting for many of you and your friends. Professor Kelley Miles of Evansville College has volunteered to give us a talk on the "PROXIMITY FUSE" with colored slides adding to his talk.

You may be too late to enter TARS CONTEST for this month, but I bet that you will enter next month's. Hi.

73. Ray, W 9OG



"MOBILE NEWS"

By W9AIN

DX on 10 is here and can be had with little effort. W9OG is active both fixed and mobile. He worked five European countries in an hour Feb 9. W9BBW, W9YFD, and a number of our locals are getting their share. Ye editor with limited operating time worked a ZL2 mobile on Jan 26, and a G3 on Feb 9 with 15 watts. K9AYH worked a W3 maritime off South America from the Society station W9LIT/9 Feb 10.

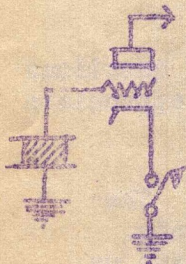
W9ZZY is working on a new 813 final and is anxious to get back on again. W9JTU has been keeping up the excellent contacts with ex-Society members W6TOD and W6PKM in sunny California. W6TOD is to be congratulated on his excellent colored movies of the "Rose Bowl Parade" and the Society is indebted for allowing us to present it at our last meeting.

(Cont'd next page)

W9UNT is again active mobile and W9BBN finally is mobile with a good strong signal. Ye editor answered a strong W6 CQ only to have him return to W9GPR on US 50 in southern Indiana. W9KEP found some bad tubes and is now mobile again. W4HKT helped the local AREC drill by handling some traffic. W9VSD, K9GAW, W9VZX, W9SJM, W9YFD and W9BBW are very active on 29.6 mcs. W9WUH encountered antenna trouble at our Red Cross Station. W9RIT is on with his new DX-100. W9EPE has moved to Evansville and is with WFIE. W9EHU sends regards to all members and also a buck for Sparks. W9NAT mobile is active during the day along with W9KYI. W9LBD and XYL visited their parents on Feb. 10th and is with the Indiana State Police on the new toll road in northern Indiana. W9GSC is active on 29.6 mcs. W9NYX and XYL have been active mobile. A guest at our November meeting KN9GOE is a new Society member and an active amateur, congratulations. C U next meeting.

"THE CRYSTAL CONTROLLED CARRIER"

By KN9EEL



I hope you are all busy on the Novice Round-Up and the TARS states contest. There are some new novices in town and if any of you work them please send me a report of their rigs. Two new novices are KN9GOE & EYC.

Apologies to Meg, KN9GGB whose name was given as Edna last month. Meg informs me that her son will be returning soon and she intends to attend TARS meetings with him. Her son is a novice in Carthage, Mo.

Welcome to Jerry Bergman, KN9GRB who is a new novice here in Evansville. He uses an HQ-100 and a 6V6 five watt home built transmitter. He also has an Abbot two meter transmitter. He uses dipoles.

KN9DRI has been participating in Civil Air Patrol and has handled messages during the recent floods in Kentucky, Virginia, and West Va. He advises if you have an S-38 and are dissatisfied with the sensitivity of it get a big piece of wire on it, it will do wonders.

Kn9EYD has worked 26 states with 20 confirmed. Joe seems to have reached a plateau in his WAS total. The new ones are hard to get. KN9EKV has a new Lettine 240. Roy participated in the recent AREC drill. Novices can help AREC by coming to the trailer and offering your services.

Congratulations to K9AZK who recently graduated from our ranks. Walt uses a Viking Adv., Knight VFO, and an SX-99. He recently put up a 15 meter ground plane. He also uses dipoles for 40 and 20 meters. Myself, KN9EEL have worked 21 states with 15 confirmed plus VE3. My novice Round-Up score is 144. Put up a ground plane and worked W7WSO.

Bosse amateurs are working on forming a club and setting up a station for use during free time. The snag is the location. There is a total of 11 hams at Bosse High School.

The Novice Net NWN meets on 3735 kcs at 8:00 am every Sunday morning. This net has outlet to the nets of the National Traffic System of the ARRL. So any traffic you have will be promptly sent to NTS. See you on the novice frequencies.

FEBRUARY, 1957

RCA

TEST EQUIPMENT

TUBES PARTS

HALLICRAFTERS

RECEIVERS

IN STOCK

COMPLETE LINE OF MIKES, COAXIAL CABLES, RELAYS AND MOBILE ANTENNAS

OHIO VALLEY SOUND

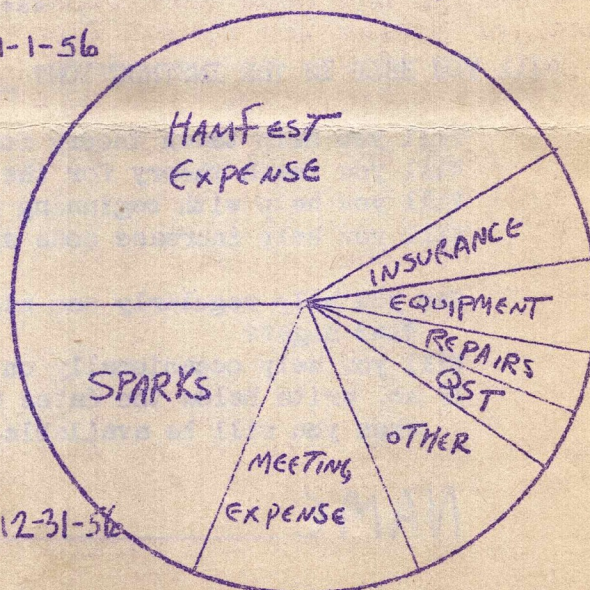
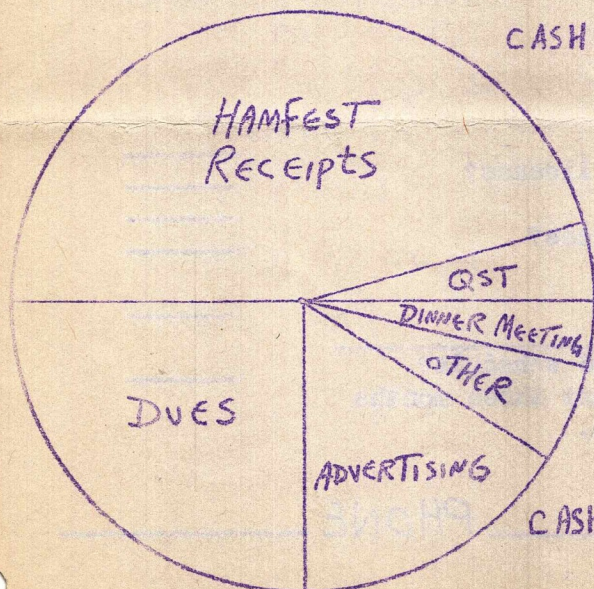
20 EAST SYCAMORE - $\frac{1}{2}$ BLOCK EAST OF MAIN

!!! PATRONIZE TARS ADVERTISERS !!!

TARS FINANCIAL REPORT- 1956

INCOME \$1,142.00

EXPENSE \$1,352.00



The above charts reflect the financial activities of TARS for the year 1956, as set out in the report of audit of the records of the Treasurer (Fay Gehres, W9AIN) submitted at the January 30, 1957 meeting by the auditing committee, Bob Fink, W9BBN, and Ray Miller, W9QG.

Please fill out this questionnaire and bring it to the TARS meeting
February 27 or mail it to W 90G, 305 Parker Drive/ Evansville, Indiana.

It has been suggested that TARS sponsor some kind of class for the advancement
of novices and/or training of prospective amateurs. Theory or code or both
might be taught. Help us find out how many people wish this kind of help and
how many will be available to help if a class materializes. Fill out the parts
which apply to you and see that everyone who is interested receives a questionnaire.
Additional copies will be sent to persons you designate. Get names of interested
persons to me as soon as possible.

DO YOU WISH TO PARTICIPATE AS A STUDENT? _____

Do you require help with beginning theory (for novice ticket)? _____
Do you wish help with theory for conditional license? _____
Do you want help in learning the code? _____
Do you wish help in building up code speed to 13 wpm? _____

If both theory and code are desired, do you think they should
be taught on separate days? _____

Would you prefer a formal course of instruction with a qualified
instructor and a small tuition fee(\$11 for one hour per week
for three months)? _____

If so, what night would you prefer? _____

Would you prefer to meet two hours per week for six weeks? _____

If so, what night would you prefer? _____

Or would you prefer a less formal course taught by amateur
volunteers? (This would not involve a tuition fee) _____

In learning code, do you prefer a class situation? _____

Can you receive signals on 10 meters? _____, 11 meters _____, other _____

WILL YOU HELP IN THE INSTRUCTION? _____

Will you help teach theory for novices? _____

Will you teach theory for the conditional license? _____

Will you help with beginning code? _____

Will you help increase code speed for novices? _____

Can you help regularly one night per week? _____

What night? _____

Will you help occasionally on a prearranged schedule? _____

If so, write below the dates during the next three months
when you will be available if called on.

NAME _____ PHONE _____

ADDRESS _____

FEBRUARY, 1957

"EVANSVILLE'S HI-FI HEADQUARTERS"

RECORD CHANGERS: FAMOUS GARRARD CHANGER IN SEVERAL MODELS

HI-FI AMPLIFIERS: BOGEN, BELL, ELECTRO-VOICE, GROMMES,
RADIO CRAFTSMAN, SHERWOOD AND FISHER

* * * * *

* HEAR THE SPECTACULAR "GEORGIAN" AND ELEVEN OTHER SPEAKERS * * * * *

* * * * *

WESCO

428 PENNSYLVANIA

MARCH SPECIALS

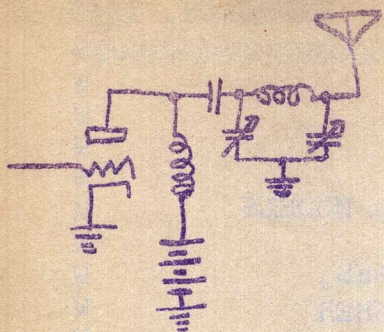
2 METER RECEIVER AND POWER SUPPLY.....	\$ 60.00
WATTERMANN SCOPE.....	35.00
3 - 30 GONSET CONVERTER.....	30.00
S-40B, A DANDY FOR.....	65.00
VTVM, NEW.....	33.00
TRANSISTOR DIODE CHECKER.....	15.95
NEW!!! S-38D (IN BLONDE).....	54.95
NEW!!! HQ-150.....	294.00
NEW!!! NC-300.....	399.50

NC88, NC98, SW-54 IN STOCK

"EVERYTHING IN RADIO AND TV"

CASTRUP

1014 W. FRANKLIN ST.



After a somewhat hectic start, the regular drill session of the Vanderburgh County Amateur Radio Emergency Corps got underway a little after 8 pm, Feb 4. Snowshoes and helicopters were the most feasible methods of transportation since the drill was centered around a simulated snowstorm. The snowstorm left Vanderburgh county trying to struggle out from five feet of snow.

The TARS Emergency Unit (Trailer) was active with W9DGA NCSing the 29.6 mcs mobile frequency. W9FGX kept the state-wide frequency of 3656 kcs hot with simulated emergency messages to Indianapolis from the Disaster Chairman at the Red Cross Bldg. KN9EEL assisted W9DGA. KN9EKV was in charge of maps.

At the Red Cross Bldg W9KEP and W9WUH were beating their brains out trying to put out a signal that could be heard around town but didn't find the trouble until W9AIN clinging by his fingernails to the outside of the third story window discovered the whip was missing from the co-ax antenna.

Operations from Red Cross were then shifted to W9KEP mobile. Broken gas mains, power failures, and stranded vehicles were the order of business. Mobiles showed an amazing degree of mobility considering there was five feet of snow on the ground.

Results of this drill showed a definite need for another circuit from the Red Cross Headquarters to the trailer to keep recorded traffic off the mobile frequency. This would also be an alternate outlet from the Red Cross in case of a break down such as we had the other night. A simple portable CW set-up on 80 meters would do nicely. If we can get up some kind of antenna the rig will be no problem because most of us have some ARC5 gear that is not being used.

Support your AREC

"SPARKS"

By W9DGA

Since W9FJI resigned as Editor of Sparks several months ago W9RBV and W9MWM have been doing all the work in getting the paper out. Last month W9OG our Society President ask if I couldn't give them an assist. Having edited Sparks for a couple of years several years ago I agreed.

Since then I have been given lots of suggestions by various members. The following are just a few. Point the paper towards local amateur activity, hold the size of the paper down, by all means stay within the income of Sparks, no duplication from page to page, don't try to coerce anybody to do anything (in other words keep the education subtle), use one typewriter to cut the stencils so each page will look the same, and many more. This I shall try to do.

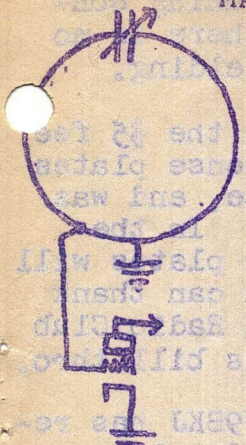
My job will be to correlate the material submitted by various contributors. W9RBV will handle the printing, circulation, and general business matters. W9MWM will continue to do the advertisement make-up.

Please send all material to me by March 13 for the next issue. Mail to 1321 South Governor Street. If you have any article you would like to submit for publication please don't hesitate to call. The only thing I ask of the contributors is that their copy is original. This paper can be no better than the contributors.

W9URQ reports that Princeton has a code class each thursday evening. At present they have six Students.

"MARCH TRANSMITTER HUNT"

By W9UMS



At the request of your contest chairman W9DGA yours truly will conduct the first transmitter hunt sponsored by TARS for 1957. Mac has given me a free hand to carry out this hunt as I see fit.

The signal will be on 29.6 mcs and will be modulated with a code practice tape. This will give the fixed frequency boys a chance to participate. For those who desire to work in pairs to obtain fixes from several points I will cease transmission periodically to permit you to discuss the situation with your buddies. I might suggest you limit your conversation to one minute in order to permit the other hunters to use the frequency during the shut down interval. Remember the more you talk the more information you give to the other hunters.

The hunt will be conducted on a mileage basis, therefore all cars must start from the same point and have your speedometer checked. Speed is of no consequence in this hunt so drive carefully and keep the accelerator up and the mileage down.

In order to deviate from the past method this hunt will be conducted at night and will be a substitute for the regular drill. It will be necessary for you to find the antenna and not the transmitter. I do not recommend that you knock on any doors and make inquiries as the antenna will be visible once you get to within 50-100 feet. Look for a small flashing light. The transmissions will start at 730 pm sharp and cease at 930 pm. Remember the sequence of arrival at the transmitter site has nothing to do with who wins. Your speedometer will be the judging factor. All participants should

gather on the north parking lot of the Baseball Field at Garvins Park not later than 715 pm to have your speedometer checked by W9DGA. The date will be March 4. Good Hunting.

"TARS CONTESTS"

By W9DGA

How are you doing in our first contest of 1957? Bring your QSL cards to the next meeting Feb 27 for judging. If you bring at least one card from the states drawn at the last meeting you will be eligible for a special drawing. The drawing winner will receive one dollar on his dues. The contest winner will have his call inscribed on the rotating trophy and will get to keep it until the following meeting.

The TARS contest for March will be a transmitter hunt conducted by W9UMS. See elsewhere this sheet for complete details and instructions. Al has put a lot of work in on the transmitter hunt so lets have a big turnout.

The contest scheduled for April will be an Alphabetical QSL contest. The idea is to work stations that have the last letter of their call complete the alphabet. Example you work W9QG, this counts for the G, you work W9UMS, this counts for the S, and you work KN9EEL, this counts for the L, etc. Next month Sparks will carry a simple form to assist you in scoring and keeping your records. Again you must have the QSL card or other confirmation. Those submitting five cards or more at the April meeting will be eligible for the special drawing of one Dollar on their dues. Start April first and quit in time to get the cards to the April meeting.

I believe this contest will have several who will complete the entire alphabet. Remember only the last letter of the call is used.

Doubling your Xmtr power will increase your signal by 3 db, make the other guys rovr S meter go up one half S unit and barely discernible to the human ear.

TARS MEETING

WED. FEB 27

The regular February meeting of the Tri State Amateur Radio Society, Inc will be held at the Community Center, Wednesday Feb 27. For room number see the call board in the lobby.

An interesting meeting is being planned for your entertainment. The meeting starts promptly at 7:30 pm. Make your plans to attend.

For the March meeting an Auction will be held. TARS is famous for its auctions. Plan to bring your items you would like to sell. Our auction always have some very choice bargains.

For the April meeting a talk on the "Proximity Fuse" will be presented. Arrangements are now underway for Field Day and Hamfest. A movie from GE will be shown in the future on "A Voice Shall Be Heard". See you at the TARS Meeting.

COMING ACTIVITIES

AREC Drill	Feb 25
Regular meeting	Feb 27
ARRL Phone DX test	Mar 8-10
Transmitter Hunt	Mar 4
Executive meeting	Mar 14
ARRL CW DX test	Mar 22-24
AREC Drill	Mar 25
Regular meeting	Mar 27
Alphabet contest	Apr 1-24
ARRL CW CD Party	Apr 13-14
ARRL Phone CD Party	Apr 20-21
ARRL VHF Party	Jun 8-9
ARRL Field Day	Jun 22-23
TARS Hamfest	Aug 25

"NEWS ITEMS"

W9WUH reports that after many blown fuses and exhaustive tests he has solved the problem of why his back yard vertical antenna becomes shorted out at odd times. It seems that near sighted dogs in the neighborhood are mistaking his ant-

enna for a tree and the results are usually a shorted tuning condenser. John reports there is no substitute for good shielding.

The bill to reduce the \$5 fee for our call letter license plates passed the House, Senate, and was signed by the Governor. In the future your call letter plates will cost but \$2 extra. You can thank the work of the Indiana Radio Club Council for pushing this bill thro.

Past Indiana SCM W9BKJ has retired and now hams all day long. W9DGA has received Traffickers 10,000 Award. This is awarded by W0KXL/NIY to amateurs who handle 10,000 messages that are reported in QST.

KN9EEL is studying hard for his General ticket. FJI is working on his code speed with a code practice oscillator. W9RBV invites all amateurs to report into the Tri-State Phone Net on 3815 kcs at 9am each Sunday Morning. More members are needed in the Tri-State Area. W9KVE has new 75 meter doublet and is completing high power final for SSSC. W9LVL has new Hammarlund HQ-150. He worked KL7 and DL4 mobile. W9RBV has 3 element beam for ten meters. W9MWM is building new transmitter. W9DGA received Asst. Director appointment from Central Division Director John Doyle W9GPI.

Official ARRL Bulletin NR 585 REF invites all amateurs to work France and the French Possessions during the 1957 French DX Contest. The CW week end is scheduled from 1200 GMT March 2 through 2400 GMT March 3. The exchange consists of Signal reports and QSO serial number, such as 579001 and 579002. The phone session comes up April 13 and 14 at the same hours. Page 67 of March QST will carry more info.

Did you know that when you receive a report of 10 db over S 9 and are running a kilowatt you can reduce your power to 100 watts and still get an S 9 report. Likewise you could get 10 db over S 9 running 100 watts, then drop to 10 and get S 9.

A Little of this, and a little of that,

W9FJI

Earle, W9UNT QSOed Gil, W6TOD recently. Gil had just finished a QSO with Kenny, W9JTU, which had lasted a full hour. Gil and his family were mobile up in the mountains near LA. The FB color pix at the last TARS meeting were furnished by Gil, many tnx, OM.

John W9FHA, who uses a Conset Communicator on that FB 50mc band, has worked K9BEH, Kenny up at Bedford quite regularly. Kenny gives John a 59 signal when the Sky-Sweeper beam is used by John. During the last aurora display he was heard here using CW and working out towards the North.

If you are an ARRL appointee, and if not, WHY NOT??? HAVE YOU SENT your monthly reports to Lew, W9NTA, SCM? And your certificates? Sent in for renewal? DO IT NOW.

How many of the SPARKS readers have taken advantage of the FB literature available at Wesco, GE HAM NEWS, and at Ohio Valley Sound, RCA HAM TIPS?? These worthwhile papers contain the latest information beeded by EVERY ham. I know both Earl and Carl has many items that each one of us can use in building up our rigs to better advantage, see them soon.

Have you gotten your new ARRL Handbook? Its a beauty, well worth the money asked for it. And if you dont have that much, little as it is, Paul has some older Handbooks, 1956 issue for \$2.50; 1955 for \$1.50. You just cant afford to let a deal like that go by, SCRAM. And the new license manual is out, giving all the latest regs. Also in the Manual is the poop on where you write to when you are going to operate in another district, where the next exams will be given, as well as technical info that all of us could do well to brush up on now and then, get that MANUAL. Paul, too, has the parts you may need for your rig.

At this writing, 2-10-57, it appears that the fee reduction bill has passed the State Senate by a good majority. Are YOU PROUD of the letters that you wrote to help its passage? Or did you do as the three who I called, Oh you write the letter, sign my name to it: shades of WPA, or what? These fellows have had the plates, may even have them for 1957. Why, sure just let George do it all.

Captain Bill Medley of the Salvation Army up at Princeton has a Conset 50 mc unit, uses it at home and in his car. He nearly shook the socks off Dave Dedman, KN9ELE recently. Dave has a 50mc Inter. Converter in his car, result of a certain bug on 50 mc use, drove into Princeton, heard Bill on, first time he had heard a signal on 50mcs. Bill spent several days in Indpls, had many QSOs there, seems there are some 49 stations on the band, all realize it is THE BAND for emergency use. Worked them out as far as Mooresville, his car ignition was the limiter. Frank, W9QYQ was in Indpls at the same time, had much fun using the Conset in his hotel room.

A M E R I C A N !

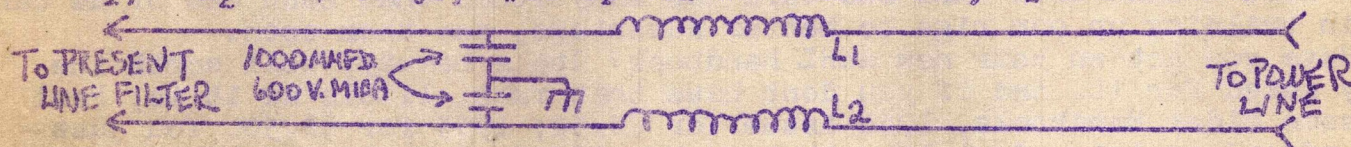
Have you noticed, and if you havent, you sure are blind, that the affairs of TARS as well as other ham activities in and about Eville, are always organized and done by a few hams? I'll bet that when you were asked to do something, you came up with that old gag, oh I dont know how, I just cant do it, etc, etc. Just note the last four letters in the word above. Ever try that thought when you are asked? Why wait to be asked? Have you offered your services to Ray, W9QG, and the rest of the TARS office rs

The following article was borrowed from the RAGS REVIEW, the FB paper of the Radio Amateurs of Greater Syracuse, New York: ATTENTION DX-100 OWNERS. Investigation of several TVI cases involving DX-100 transmitters has shown that the transmitters feed serious amounts of power resulting in TV band harmonics into the power lines. This is due to resonance of the power line filter chokes at a frequency below the television bands. To check your transmitter, tune up on 10M and check for interference on channels 2 (second harmonic) and #6 (third harmonic). Next; disconnect the antenna and work-contd

A Little of This, and a Little of That. By W9FJI

into a dummy load. If interference on channels 2 and 6 remains strong, you are feeding harmonics into the power line. One DX-100 was fixed by adding the filter shown below in series with the present line filter and any of the accessory sockets used. We know of course that channels 2 and 6 are empty in this location, so that a perfect TV receiver will reject your 10M harmonics, BUT the FCC requires suppression of power line feedbacks, no matter what the frequency is. After installation of the extra filter section, interference on channels 2 and 6 should be down in the noise level with the dummy load connected. If you reconnect the antenna, you may find the interference is back again. If a GOOD lowpass filter in the transmitter antenna line does not clear it up, the probable reason is overload of the TV receiver's RF amplifier by your fundamental. The TV receiver itself will produce harmonics of your signal in this case. A GOOD high pass filter at the TV receiver will fix this. Naturally, if you wish to do a good job on your own unit, you will. If you are one of those who just do not care, this is not for you, is it?

L1, L2 - 7 turns, #18 spaced wire diameter, $\frac{1}{2}$ inch form.



How many have noticed the number of TWO headed hams on the bands recently? They must be two headed, they are always saying, WE, WE, WE, just weweweing all over the place, dont they have floods? If an envelope would hold it, the ORDER OF THE DAMP DIAPER would be a good memento to send them. Wonder if they ever read the FCC regulations? Section 12.61 states: A license---will be issued---to a licensed amateur operator,---etc. Section 12.62 states: An amateur station license will not be issued to school, company, corporation, association, or other organization---except to a licensed amateur organization---etc. ALWAYS do the rules say, A, AN, NEVER, they, those etc. So why do these ??? always say WEWEWEWEWEWE?? Are YOU one of them? WHY??

While the ARRL License Manual has all the FCC regulations, as well as other info of use to all, you may want the full official FCC rules. All you need do is to send 15 cents, NO STAMPS to the Superintendent of Documents, Government Printing Office, Washington, 25, D. C. Ask for the Part 12, Rules and Regulations pertaining to the Amateur Radio Service. Then you will be able to sign that little note on your renewal which says: I do hereby affirm, and mean it more than you can now.

Would you be surprised to learn that recently, this writer found five hams, licensed since last summer who had never heard of the TARS, or knew of any ham club here? Have you done your part in telling all you know of the Society? Why not, ashamed of the part you play in it? That can be corrected mighty easily, just call Ray, W9OG, tell him you are wanting to help boost TARS, keep it the FB unit it is now. Help make it BETTER.

At the last TARS meeting, TNX, GIL for the fb pix, new hams at the meet were, Jerome Bergman, KN9GRB and KN9GKT, Mike Grismore. Newly classed are: K9AZK, Walter Smith, K9AYH, Walter Heller, and K9ELE, Dave Dedman, all new Conditionals. FB going fellows, BCNU at all TARS affairs. New in Eville are: KN9GOE, Joseph Maddox, KN9EKR, Mike O'Daniel, KN9EJR, Larry Wink, and, Tom Brune, KN9EYC. Have you QSOed any of them?

Have you sent in your nomination for the IRCC Courtesy Award to the IRCC officers? It can go to Lew, W9NTA, our SCM. But get it on so the IRCC can act at their Spring meeting, to be held soon. W3CUL, Mary Burke won the Edison award given by General Electric. She handles some 3000 messages a month.



SPARKS

PUBLISHED BY AND FOR MEMBERS OF THE

Tri-State Amateur Radio Society

EVANSVILLE, INDIANA

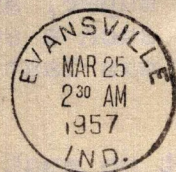
AN AFFILIATE OF THE AMERICAN RADIO RELAY LEAGUE

A MEMBER OF THE INDIANA RADIO CLUB COUNCIL

RETURN TO

Lowell A. Goodson
4512 Sweetser Ave.
Evansville 15, Indiana

W9RBV



TO

Clifford McGuyer
1321 S. Governor St.
Evansville 13, Indiana

W9DGA

COMMENTS FROM YOUR
PRESIDENT



By W9OG

Thanks, OMs, for the splendid attendance at our last meeting. Your suggestions, concerning programs for future meetings, were greatly appreciated. If at all possible, the business portion of meetings will be held to a minimum and more time devoted to informal gabfest of members.

We have had 23 classroom applications to date, of which 17 represented interested students and 6 instructors. All that we need to do now is to set the day (or days) and get rolling.

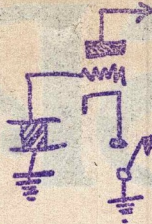
Personally, I would like to see a meeting in which home built gadgets or gear could be exhibited with a possible word or two in it's favor. If you have a pet project which you are proud of, why not tell me or one of our officers or directors about it.

You have heard of the transmitter hunt. It sure was super, and tnx to all who made it such a success, even if the writer was last to find it.

This thought is not so much an edict or criticism, but a question. With the increase in mobile activity on 29.6 mcs., why not give breaks between our transmissions and shorten each transmission, in order that more of the mobiles can get in. Ordinarily, one mobiling around town or back and forth to work is in his or her car only a few minutes. I am glad to hear so many monitoring the frequency, and an equal number working; however with careful usage, we will create a greater interest.

W9VZX reports on a 29.6 mcs net that meets at 5 pm each evening. He requests local hams report in when possible and suggest a name for this net. If you have any information on suppressing noise on a 50 Mercury contact W9VZX and W9GSC for they are having noise troubles.

THE CRYSTAL CONTROLLED
CARRIER



By KN9EEL

This column in the future will also carry reports from the K9 group besides novices. This is to be done in the interests of some of the newer conditionals who wish to be represented along with their friends.

This months project is a ground plane antenna for the novice to be used on 15 meters. Here is the information. Antenna height is ten feet eight inches of 3/4 inch conduit. Four radials each eleven feet three inches long made of #8 or #10 wire or light aluminum cable.

A matching stub of about twenty inches of 52 ohm coax. The conduit is perpendicular to the ground and the four radials extend outward from the base and the angles between them need not be 90 degrees. The radials may droop but the entire system should be at least ten feet eleven inches above the ground. Feed with 52 ohm coax. The matching stub may be placed in any convenient location so long as its outer braid is attached to the radials and the inner conductor is connected to the conduit. This antenna will radiate quite well. My best DX is 2000 miles, XE1, KP4, and VE3. A pi network will load it nicely.

THE NOVICE ROUND UP 1957.

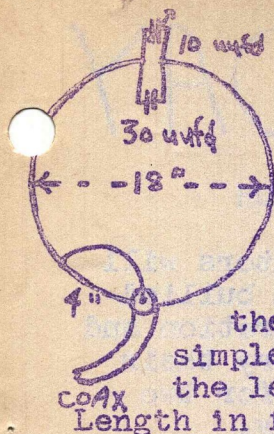
KN9ELE	300	20	QSO	15	Secs
KN9EEL	144	12	QSO	12	Secs
KN9EKV	30	6	QSO	5	Secs
W9DGA	360	10	QSO	8	Secs (CP35)

W9WUH has appointed me 1957 Chairman of the Novice Field Day. This year TARS will give novices a chance to participate in Field Day by having a novice station in operation. No definite plans but will call a meeting of novices to decide on a rig, location, etc.

KN9GBB took the conditional class examination from W9AIN on Feb 7. Good luck, Meg.

A LOOP ANTENNA

By W9AIN



The basic dipole antenna is familiar to most amateurs and when tuned to the center of an amateur band is useful over

the entire band. The simple formula for determining the length of a dipole is

Length in feet = $468 / \text{freq in mcs.}$

A good example would be a 29.6 mcs dipole. Length in feet = $468 / 29.6 = 15.81$ or 15 feet 9 $3/4$ inches.

The directional properties of a dipole are maximum radiation at right angles from the antenna and none from the ends. If we take a dipole and construct it in a circle we lose no advantage in efficiency but we gain a radiation null which is very accurate in determining the direction of the incoming signal.

A circular dipole or loop indicates a very sharp minimum signal arriving broadside, therefore indicating the direction of the transmitter.

A loop having a circumference of 15.81 feet would be too large to be convenient and by reducing the size of the loop and loading the ends with capacity we may still hold the frequency to 29.6 mcs. The smaller the loop the more capacity is needed and the bandwidth is reduced. A loop as shown in the sketch having a diameter of 18 inches and loaded with 30 uufd of fixed capacity and 10 uufd of variable may be tuned from 27 to 30 mcs. By having an indicator or dial on the variable condenser it may be calibrated to any frequency desired in this range.

Coaxial feed to the converter or receiver may be by shunt feed through 52 ohm coaxial line as shown. It is important the coax shield be connected at the exact center of the loop and the inner

conductor form the shunt connection approximately four inches to either side of center. A handle to support the loop may be parallel to the coax line and taped to it.

AREC NEWS

By W9VZX

The monthly drill for February turned out to be a good success. During the simulated flash flood mobiles W9AIN, W9NYX, and W9YFD supplied transportation for evacuees and other supply runs. (I thought AREC was supposed to be a communications service, not a transportation outfit-Ed). W9NYX, got in his motor boat and helped W9KEP and family abandon his home. It was being taken over by the rising waters. W9OVH took a portable station to the airport for relaying traffic to and from the rescue helicopter which were sent down from South Bend, this simulated of course.

W9SJM acted as a relay station for his section of town. The only road that was open going in and out of town was Hwy 41 north, which was used for emergency traffic only. The drill was handled under the direction of W9BBW acting as disaster Chairman. W9VSD assisted by KØGKU/9 operated six meters from the Red Cross building relaying traffic to and from W9LIT the NCS, operated by W9VZX. W9FHA acted as six meter relay at the trailer and W9WUH handled traffic on 80 meter CW up to K9BBO at Gary. Others that participated were W9MKZ, and W9GSC. It is suggested that the following drills all stations zero beat the NCS before the net opens. Stations that zero on and tune up during the drill create problems rather than to help solve them. It probably will be found that these suggestions will keep the drills going and be a better turnout each month.

It was very good to read the apology to Admiral Bruton from the publisher of CQ. The personal attack on the Admiral in CQ was uncalled for as the apology indicated.

TARS 1957 FIELD DAY

At the present stage of development Field Day plans call for a 30 watt rig to be operated from the trailer located again at the Rural Center.

It is planned to have as much of the set-up work as possible completed on the evening of Friday, June 21. This will give us more time to get on the air than in the past and help to overcome those last minute hitches.

40 and 80 CW has been the "Pay-Off" bands in previous Field Day efforts. Therefor attempts will be made to concentrate activities on those bands.

By W9WUH

Our known contest operators will be begged, badgered and bullied into extra hours of operation and will be required to carry their sending hand in a sling for two weeks prior to Field Day.

Committee appointments to date are Antennas, W9NYX; Publicity, W9DGA; Novice, KN9EEL; Trailer, W9AIN; ARRL-IRCC-SCM reports, W9FJI; Generator, KN9EKV; and refreshments, Amateur Radio Auxillary.

The first committee meeting is scheduled for April 24, 6:30 pm. This is one hour before the regular meeting at the same place.

APRIL SPECIALS

2 METER RECEIVER AND POWER SUPPLY.....	\$ 60.00
WATTERMANN SCOPE.....	35.00
3-30 GONSET CONVERTER.....	30.00
S-40B, A DANDY FOR.....	65.00
VTVM, NEW.....	33.00
TRANSISTOR DIODE CHECKER.....	15.95
NEW!!! S-38D(IN BLONDE).....	54.95
NEW!!! HQ-150.....	294.00
NEW!!! NC-300.....	399.50

NC88, NC98, SW-54 IN STOCK

"EVERYTHING IN RADIO AND TV"

CASTRUP

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***** PATRONIZE TARS ADVERTISERS *****

MOBILE NEWS

By W9AIN

W9LVL reports working European stations while mobile during the month. W9SWN is mobile on 10 and 75 and his shift at WTVW transmitter is 8:00 to 1600 hours. At times

he works 1600 to 2400 hours.

W9FHA is working on a new layout. W9KLW is another WTVW operator and is new in town and we hope he enjoys his Evansville operation. W9ZZY is active both mobile and fixed. W9KEP is busy with his contacts between collections. W9KFE paid us a weekend visit from Champaign Ill. W9VZX and W9BBW are new mobiles. W9OG is active mobile and works DX schedules at home.

W9AZU has a new DX-100 and 10 meter beam. W9VSD and K9GGW keep 29.6 mcs busy on the Supper Net. K9GKU came from Mo to visit home and is very active on 10. Ed is installing a mobile. W9HTT is active on 29.6 mcs with his ranger. W9IMI has a new mobile and is heard on 29.6 mcs.

W9YZO takes his mobile on a transmitter hunt and is successful without a loop. W9GFS is mobile with a new receiver. W9UMS is busy mobile to and from the CD bus and work. W9WUH is mobile in his Mercury. W9UNT is mobile on week ends.

W9GSC is heard on 29.6 mcs and W9ZPP packs a punch in the city. W9DII is home and busy on 10 working the mobiles and DX. W9YFD is mobile with low power. W9RCD and W4WYB are working on their mobile installations. W9RBV reports a serious auto accident from Cynthiana via W6TOD to W9GFS requesting an ambulance and police on March 3. W9JTU was working W6TOD on the same day when W9SVC at Indianapolis called Gil reporting the mother of W9MYI was near death in a South Bend hospital. W9MYI mobile on 29.4 mcs and W9EWS was mobile on 29.6 mcs somewhere between Florida and Indiana. Gil

and W6HRA located the boys by ham radio and delivered the information. The report was really a thrill to listen too. This is amateur radio at its best. Heard W6PKM trying to get through to Evansville on the 3rd but he did not get through. Better luck next time Paul. 73.



CIVIL AIR PATROL NEWS

By W9VZX

Three fellow amateurs are busy participating in CAP radio communications. The Net Control station is in Indianapolis. KN9DRI has been the most active handling most of the Evansville Squadrons traffic. This is done on 4585 kcs and is known as channel 5. His call is Blue Fire 76.

K9AYH is having a little difficulty getting on the air because his transmitter is not in operating condition. His call is Blue Fire 71. W9VZX has been on the inactive list due to lack of a crystal and the high activity of amateur radio.

It might be well to add that the Civil Air Patrol radio is for traffic handling, both formal or informal of CAP business. It is also for search and rescue missions. It has been stated by the Evansville Squadron Commander that the CAP communications Section will be more than glad to cooperate with the Society in most any way with no competition. For any further information on CAP contact W9VZX.

COMING ACTIVITIES

ARRL CW DX Contest	Mar 22-24
AREC Drill	Mar 25
Regular Meeting	Mar 27
Transmitter Hunt	Apr 1
TARS Alphabet Contest	Apr 1-24
ARRL CW CD Party	Apr 13-14
TARS Executive Meeting	Apr 11
ARRL Phone CD Party	Apr 20-21
ARRL VHF Party	Jun 8-9
ARRL Field Day	Jun 22-23
TARS Hamfest	Aug 25

TARS ALPHABETICAL QSL CONTEST

Complete this form and turn in with your QSL cards April 24.

A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	T
U	V	W	X
	Y	Z	

I certify that the above is correct to the best of my knowledge
and all stations listed were worked by me

At the February meeting W9WUH our FD Chairman asked the Society membership to indicate their wishes as to the type of Field Day to have. The choice was to go out and play, or to go all out in an effort to win. Not one voted to go out and play. The vote was unanimous to go out and win. It would be nice to have the IRCC FD Plaque hanging in our Trailer.

[illegible]

RCA

TEST EQUIPMENT
TUBES PARTS

HALLICRAFTERS

RECEIVERS
IN STOCK

COMPLETE LINE OF MIKES, COAXIAL CABLES, RELAYS AND MOBILE ANTENNAS

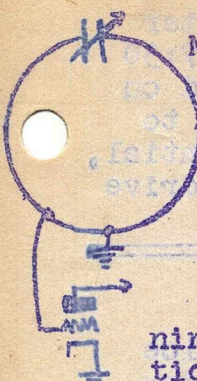
南京中央大学图书馆藏

OHIO VALLEY SOUND

20 EAST SYCAMORE = 1/2 BLOCK EAST OF MAIN

[illegible]

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MARCH TRANSMITTER HUNT

By W9UMS

The hidden transmitter Hunt held on Mar 4 proved to be highly successful. Since this was to be the first hunt held in the evening I was just a little skeptical as to the turn out.

At 7:30 I called W9DGA from the site of the hidden transmitter and was advised that 9 mobiles had collected at the starting point. The mileage readings had been recorded and the signal very strong.

The transmitter was located at a distance of about 10 miles from the starting point, in a sub-division known as Ridgeview Heights. It is just east of Hwy 41 off the Old State Road. Code practice tape and an audio oscillator was used to modulate the carrier. Every ten minutes the carrier was shut off to enable those working in pairs to discuss their bearings. Unfortunately all cars operated as individual units. The hunt was on.

8:00 No cars, no signals received.

8:30 No cars, no signals.

8:55 Put out a call to see if all had quit. Bedlam. Umpteen signals pinned the S meter.

9:00 Ask if anyone wanted S meter reports. W9YZO S9+20, W9NAT S7, W9NYX S7, silence.

9:05 Lights on the Old State Road.

9:08 Lights in the drive way, doorbell. How good can a man get with no loop? W9YZO arrives from St Marys. Results not valid however.

9:09 W9AIN arrives with 4 hams and novices. His reading was 21.45 miles. He had to pick up whis XYL.

9:11 More lights, W9DGA arrives with a reading of 11.35 miles.

9:15 W9NAT arrives with a reading of 11.15 miles. Dr Westfall and Wertz arrive with 21.6 miles.

W9MKZ arrives with 11.5 miles but he started from Evsl College.

9:20 The Ronnies and KØGKU/9 arrive with 11.35 mileage.

9:22 Hey wher is W9NYX? A call was put out and he reported he was

between Ft Branch and Princeton headed Chicago way. Hey Al, back up.

9:29 The owner of the house says "There are 29 people herenow, how many more are coming?"

9:30 Hey where is Herb Muth? (He started from Bosse High School, no one was there so he went home.

9:45 Everybody's gone home or setting out in front talking.

All seemed to enjoy themselves and many wanted to know how soon we could have another hunt. (Apr 1-Ed). I would like to recommend that in all future hunts conducted at night a flashing light be used to designate the position of the antenna. No one had to knock on any door or inquire about the transmitter location. I will gladly loan the flasher to anyone. Incidentally the winner was W9NAT.

TARS APRIL CONTEST

The April contest will be an Alphabetical QSL contest. The idea is to complete the alphabet by counting the last letter of the station call worked. All contacts must be on the ham bands.

A simple form is printed elsewhere for your entry and to assist your bookkeeping. If you work W9OG that counts for the G, if you work W9AIN/Mobile that counts for the N, and if you work W9UMS that counts for the S, etc. You must present your QSL cards at the April meeting. Start April first and quit in time to get the cards to the April meeting. Have your cards in alphabetical order.

The special dollar drawing will be available for those members presenting at least five cards. The winner will have his call placed on the rotating trophy. W9NAT has been listed twice and once more will give him permanent possession of the TARS Oscar. Have fun, but get the QSL Cards in. Use any bands or mode of transmission. You must be a member in good standing.

W9HX has rebuilt part of his exciter and tuned up his 20 meter beam.

TARS MEETING WEDNESDAY MAR 27

The regular March meeting of the Tri State Amateur Radio Society will be held at the Community Center Wednesday March 27.

An Auction will be held. Bring your gear to be auctioned by That master of the trade, W9JFJ. Plan now to bring your items you would like to sell. Our auction always have some very choice bargains, just for the bidding.

For the April meeting a talk on the "Proximity Fuse" will be presented. Arrangements are now underway for Field Day and Hamfest. A movie from GE will be shown in the future on "A Voice Shall Be Heard." Will see you at the meeting.

NEXT TRANSMITTER HUNT

TARS will hold a practice transmitter Hunt April first. It will be conducted by W9WUH and W9QG. Meet as before at the parking lot just north of Bosse

Field to have your speedometer checked before 715 pm. At 7:30 pm a signal will be radiated on 29.6 mcs. Your fun will be to find it. Speed is not essential, but low mileage. Be safe, drive careful. Good Luck.

NOVICE WEATHER NET

KN9EKV reports that the Novice Weather Net meets every Sunday morning on 3735 kcs. The net members so far include W9WUH, K9AYH, KN9GEO, KN9EYD, KN9GKT, and KN9EKV. Roy states he would like more novices and conditionals to check into this net. The aims of the net is to teach novices how to handle traffic. He would like conditional class members to QNI the net to QNR their weather messages to RFN in Indianapolis.

The Dayton Hamvention will be held April 5 and 6. W9DIR is back in town for six months and has AHQ 150 and a Viking II. He has worked 2 HH3's and a ZL. K9AZK has 42 states VE3, KP4, and XE1 using a ground plane antenna.

"EVANSVILLE'S HI-FI HEADQUARTERS"

RECORD CHANGERS: FAMOUS GARRARD CHANGER IN SEVERAL MODELS

HI-FI AMPLIFIERS: BOGEN, BELL, ELECTRO-VOICE, GROMMES, RADIO CRAFTSMAN, SHERWOOD AND FISHER

*
*
* COME HEAR THE SPECTACULAR "GEORGIAN" AND ELEVEN OTHER SPEAKERS *
*

WESCO

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**** PATRONIZE TARS ADVERTISERS ****

MEMBER CORRESPONDENCE

Editor, SPARKS,

For some time now, one Amateur's comments have appeared in our club paper in regards, among other things, to the use of the pronoun "We", when the person in question is referring only to himself. This amateur's initials are Fred Sawyer, W9FJI. While Fred and I (We?) are friends, it does not necessarily follow that I agree with him. In the article mentioned he refers to the "Two-Headed" amateurs who continually use or misuse the word "We" with utter disregard to Fred's sense of fair play and a downright insult to his high school grammar.

Fred Says that since the parties concerned are referring to themselves individually and not collectively, they are bound by the rules of good grammar and society to use the word "I". He even cites the FCC regulations to back up his point, that licenses are issued to "I's", with a few exceptions, and not to "We's". In doing so, however, he overlooked another portion of the regulations that state in effect, that the FCC will not attempt to govern an amateurs choice of words or languages as long as they are not coded phrases, nor obscene nor profane. This can be in any language as long as it is plain text. Therefore one may say "We" until the cows come home and maybe Fred will keep you supplied with Orders of the Damp Diaper, which may be pretty handy if you have a new baby. Amateur Radio will strike a new low when everyone starts calling you down on the use of your grammar. On the matter of the two heads, I am sure that if Fred would make a personal check, and heads were counted, that the parties referred to would have the same amount of heads as those who refrained from using said pronoun.

Since this is not a violation of any of the FCC regulations either legally or morally, I personally

feel that it is nobody's business what choice of words you may use, as long as they are decent. The best that can be said of this whole business, including Fred's article and mine, is that we are both childish. Fred for starting the whole mess locally and myself for writing a rebuttal.

Speaking for myself, "We", would like to hear no more about it as We'uns have it off our chest.

/S/ E. Don Cox, W9LXW.

NEWS ITEMS

At the February meeting, W9WUH our Field Day Chairman asked the Society membership to indicate their wishes either for a picnic type of Field Day or an all out effort to win. Not one voted to go out and play, but the vote was unanimous to go out and work. It would be nice to have the Indiana Radio Club Council Field Day Plaque hanging in the trailer.

K9ELE has received his technician license and has a new DX-35. He has worked 30 states and has all confirmed. KN9EAC is a new novice in town and his name is Dave. He is building a DX-35 and receives on an HRO-7.

KN9GKT has 8 states confirmed. W9DGA has worked all states on 80, 40, and 20 meters. KN9EYO has new HQ-100 with 26 states worked. KN9EEL has new Vibroplex Key and has 15 out of 22 states confirmed. W9UMS reports he has purchased a semi-automatic key for the CW operators of the Civil Defense Bus.

K9AYH burned out his Globe Trotter transmitter. KN9GBB has 14 of 16 states confirmed. Her son KØGKU/9 is here from Missouri. KN9GOE now uses an Eldico transmitter and a SX-99 receiver.

The dead line for SPARKS articles for the April issue is April 10. Please mail your material to my home at 1321 South Governor Street.

By W9FGX

MARS BULLETIN NR 31 July 1955.

DX Hello again and am very sorry to have missed the month of February with the information. The first week-end on the phone and CW contest passed without any difficulty. There seems to be a sharp increase in activity from all parts of the country except here. Some juicy calls were heard especiall on 10 meter CW. SVØAB, LZ1KDP, FS7RT, OD5AB and many others.

A letter from W9UWU/1 in Cambridge, Mass tells us that Tim is getting a small ham setup there. In the CD contest Tim's DX was W9MAK, with about 20 watts on 40 CW. Although MIT station is there, available, Tim prefers the low power.

Brice, W9PNE, sent us a report from Ill for the February column so will use it this month. He is up to 142 worked now with PJ2ME on 21 mcs and ZB2J on 14 mcs. The new QSLs are from ZD2DCP, 4X4BX, and 9S4BN. This makes 125 confirmed. (not bad, eh?). Brice recently acquired his 120 sticker from ARRL on the DXCC.

Many congratulations to W9YFD on getting the elusive 100 cards. Pat received a packet of QSLs from the bureau in which there was enough new ones to put him just over the hump. Actually Pat has 102 confirmed. The new ones are from VP6RG, ZB2R, EA9DF 9R1o De Oro), VR3B, UP2KBC, VP3AD, 4S7WP, VQ4DT, KW6CM, and HH2SH. There is only one new one in the worked list, it being UL7FA. This makes 138 worked now for Pat.

John, W9FHA is back on the low frequency end of the spectrum with a new Gonset converter for 14, 21, and 28 mcs. It is hot too.

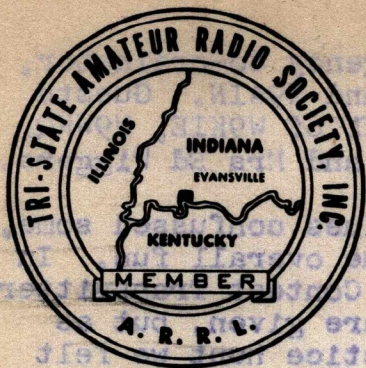
Here at home there is only one new QSL, number 92 from W4EMF/KS4. In the 11st worked are TG9WB-A3 on 15, FS7RT and OQ5GU both on 10, CW. This makes 107 worked. Ten CW has been good here in the mid-morning and will continue to get better according to the fortune tellers. 73 till next month.

Development and use of high speed mechanical and electronic equipment has in no way decreased the requirement for the skill of radiotelegraph operators. The human operator retains the only known ability to copy through interference and to detect deceptive practices. To progress further, radiotelephone operation is reserved primarily for tactical purposes when a requirement exists for direct contact between originator and addressee, and where convenience overrules need for inherent reliability of record communications. Such operations is normally conducted by parties concerned rather than by communications personnel. Excessive use of radiotelephone is known to constitute a security hazard and military procedures invariable dictate that voice nets be paralleled by manual telegraph nets. Either type of operation has its own usefulness, however, facts conclusively determine that telegraph operation is the best means of transmission when conditions are difficult as the result of natural or man made interference or deceptive measures. In the spirit of professional pride, skill and competition existing among radio operators, all Mars members are urged to recognize the need for establishing and maintaining their radiotelgraph operating proficiency in order that the capability will be there whenever the situation dictates its use. Let us not be tried and found wanting.

W9APO from up north ordered his call letter license plate and received in return a Disabled Vet license plate. W9MWM is experimenting on a clapp oscillator for the higher frequencies.

During the last transmitter hunt a quad was organized which consisted of KØGKU/9 co-pilot, W9VSD pilot, W9DIR radioman, and W9VZX navigator. All using the mobile of W9BBW. W9DIR had the snoop-loop which worked very fine just missing first place by .2 of a mile. They say they also took the long way.

April SPARKS deadline is April 10.



SPARKS

PUBLISHED BY AND FOR MEMBERS OF THE

Tri-State Amateur Radio Society

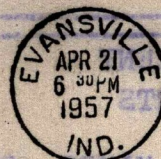
EVANSVILLE, INDIANA

AN AFFILIATE OF THE AMERICAN RADIO RELAY LEAGUE

A MEMBER OF THE INDIANA RADIO CLUB COUNCIL

RETURN TO

Lowell A. Goodson
4512 Sweetser Ave.
Evansville 15, Indiana



TO

Clifford McGuyer
1321 S. Governor St.
Evansville 13, Indiana

W9DGA

April fools day found ten transmitter hunters snooping about Vanderburgh County looking for the hidden transmitter of W9WUH and W900. The

W9AIN was the starter and checked the speedometers of the participants and W9OG checked the mileage at the finish. A total of 215 miles was recorded for the evening by the contestants.

TARS AREC Emergency Co-ordinator, W9NZC, W9GSC, and W9AIN. Guests included the XYL of W9KIE, W9WKQ, KN9EKV, and Mr and Mrs Ed Wiggers.

A short gabfest followed at the site of the transmitter, the CD HQs on Ohio Street. For those who did not like coffee, nothing but air and sparks were available. A general discussion was held concerning wet loops, crooked loops, and driving back-wards through the streets of Evansville. See you and more at our next hunt.

The ARRL Ninth National Convention will be held August 30, 31, and September 1 at Chicago, Illinois.

HALLICRAFTERS

RECEIVERS
IN STOCK

COMPLETE LINE OF MIKES, COAXIAL CABLES, RELAYS AND MOBILE ANTENNAS

清华大学图书馆藏

OHIO VALLEY SOUND

20 EAST SYCAMORE - 1/2 BLOCK EAST OF MAIN

PATRONIZE TARE ADVERTISERS

APRIL 1957

COMMENTS

FROM

YOUR PRESIDENT



By W9OG

Every member who attended the March meeting should be congratulated for his or her part in making the auction successful. Special thanks to the Grady's of the Community Center for providing TARS with larger quarters. Thanks also to W9JFJ and W9WUH as auctioneer and coffee maker.

Personally I was happy to see a few faces which are not seen very often at our meetings.

Members are welcome to our Directors meetings, known as the Executive Meeting, held 13 days before the regular meeting on a thursday evening. The exact date is always listed in the COMING ACTIVITIES of Sparks. Some knotty problems arise, occasionally. Your elected officers and directors try to solve these problems in the best interest of your Society, it's members, and Amateur Radio. Give them your support by active participation in the activities of the Society. A very Happy Easter to all.

ARRL EMERGENCY & TRAFFIC BULLETIN

Funny how even among amateurs there exists some tendency quickly to drop amateur status in favor of almost anything else that comes along, be it military, naval, Coast Guard, Red Cross, police auxiliary, civil defense, or what have you. Don't we amateurs want to be amateurs, and be recognized as such? We at ARRL headquarters, and hundreds and thousands of elected and appointed officials in the field have worked long and hard for many years to make the amateur hat a proud one to wear. The work we do in this connection is of necessity almost 100% of a voluntary nature; its reward is having our own amateur service establishment, the AREC, as the

basis from which stems all emergency communications utilizing amateur radio. That this should work for and with non-amateur agencies is good and proper; but that it should become wholly a part of such an agency and lose its identity as an amateur organization is, we think inimical both to the flexibility of the service we can render and to our own future as a public service and a hobby.

The AREC is the basic structure of amateur emergency communication. It is a good and sound structure only to the extent that we amateurs wish to make it such. We'll wave the flag here at headquarters; but it's up to you fellows to plant it at the top of Mt Suribachi. And while you're doing it, don't forget that RACES is a part of the AREC job.

TARS MEETING WEDNESDAY APRIL 24

The regular April meeting of the Tri State Amateur Radio Society will be held at the Community Center Wednesday April 24. The time will be 7:30 pm sharp.

A talk on the "Proximity Fuse" will be presented by Kelley Miles, Assoc. Prof. of Physics at Evansville College. Mr Kelley had wartime activities in development of the proximity fuse and guided missiles. Is an author of a book on guided missiles and will have to watch carefully not to forget which information is classified. He will show color slides also of pictures made from the air in his travels on that job.

We can thank our Vice President W9MKZ for obtaining Mr Kelley.

A new Novice in town is Dr Harry Whetstone, KN9HCG. Harry lives at 7000 Old Boonville Highway and is active on all the novice bands, and is a member of TARS. He has personally constructed a Johnson Adventurer, and other pieces of radio equipment. Antennas used are folded dipoles.

TARS CONTESTS

***** Notice W9NAT is
 * HONOR ROLL * listed now two
 * W9NAT * times in the
 * W9NAT * Honor Roll.
 ***** Dorsey won the
 first TARS contest which was the
 10 states deal. The he won the
 regular TARS AREC Transmitter Hunt
 for the second contest. Congrat-
 ulations are in order for him.

Bring your QSL cards to the April
 24 meeting of TARS for the judging
 of the Alphabetical QSL contest.
 If W9NAT wins that will be his
 third successive time. If you
 bring at least five cards towards
 the alphabet you will be eligible
 for the quarter year dues drawing.

TARS May contest will be another
 AREC Transmitter Hunt. Meet at
 the south end of Reitz Hill to
 have your speedometers checked.
 We will be unable to use the
 parking lot at Bosse Field for
 it will be used by the Ball Park
 patrons. The date will be May 20

and will be conducted by W9NAT.
 Be at Reitz Hill by 7:15 pm. The
 Hunt starts sharply at 7:30 pm.
 You must have your speedometer
 checked to be an official entry.
 Drive carefully and safely.
 SPEED is not essential to win.

TARS June contest will be a simple
 affair. This is Field Day month
 so all effort will be put forth
 to make this years Field Day a
 success. The object of the con-
 test is to guess TARS 1957 Field
 Day score. The nearest number
 a member chooses and qualifies
 wins. Turn in your guess at the
 Field Day Rally, TARS regular
 meeting June 19, and so something
 at the FD site to advance the
 cause and you are eligible. To
 give you some idea the score last
 year was 1980. See you at FD.

W9LXW is converting an Army surplus
 Handi-Talkie to 29.6 mcs...W9MWM
 is active on the bands...W9DGA won
 first place in the Expert Class in
 the Regional Pistol Matches Mar 31
 at Richmond...W9KVE works 3.9mcSS

MAY SPECIALS

2 METER RECEIVER AND POWER SUPPLY.....	\$ 60.00
WATTERMANN SCOPE.....	35.00
3-30 GONSET CONVERTER.....	30.00
S-40B, A DANDY FOR.....	65.00
VTVM, NEW.....	33.00
TRANSISTOR DIODE CHECKER.....	15.95
NEW!!! S-38D (IN BLONDE).....	54.95
NEW!!! HQ-150.....	294.00
NEW!!! NC-300.....	399.50

NC88, NC98, SW-54 IN STOCK

SEE THE NEW HEAVYWEIGHT CHAMPION, HALLICRAFTERS SX-101

"EVERYTHING IN RADIO AND TV"

CASTRUP

1014 West Franklin St.

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The June meeting has been up-dated one week to June 19 to allow a special FIELD DAY RALLY program to be presented.

Past Field Day movies will be shown and final details worked out.

For many years, Field Day has been conducted on a local time basis, opening at 4 pm Saturday and winding up 24 hours later on Sunday, local time. May hams, especially those in the Pacific time belt, have complained that the last two or three hours on Sunday were useless to them.

As EST and CST groups went off the air, it seems W6s and W7s found QSOs so difficult to come by that many QRT'd three hours before Field Day's official ending time.

ARRL received requests to start Field Day on a GMT or simultaneous time basis, sometimes from easterers who wanted to work more fives, sixes, and sevens.

After weighing these, the ARRL Contest Planning Committee has acted. This year Field Day will run for the 27-hour period from 4 pm EST June 22 through 7 pm EST June 23rd, during which a given entry can be active any consecutive 24 hours. Once you've begun, however, you must keep going, generator breakdowns not withstanding. Therefore this year we must list the date and time of our first and last Field Day QSO, these not to span more than 24 hours. Our Field Day committee will advise what time they plan on starting.

The membership of TARS has directed Field Day Chairman, W9WUH to go out and win, bring the IRCC FD Plaque to hang in our AREC trailer. It would look nice there, now wouldn't it. See you Field Day.



By W9FGX

Hello old friends and new it is time again for the "Doins", one page of useful information on DX, brought to you by the Tri State Amateur Radio Society. We have heard from a few of the old Standbys, plus a few of the new boys. March activity sponsored by ARRL raised scores tremendously er, well, it did bring them up a little any way.

W9PNE got six new ones. Three are on 14 mcs, ITLAGA, VP2LU (Windward), and VK9AU on New Guinea. FS7RT and HI8BE are new on 28 mcs and CR9AH on 21 mcs. Brice has 147 worked with 130 confirmed.

HI8BE was active in the DX contest and his address is Burke Edwards, % US Embassy, Ciudad Trujillo, Dominican Republic.

Three new ones by W9YFD highlight this part of the page. Pat lets us in on ZC4BN, OD5LX, and UC2AX. Still 102 confirmed and 141 worked.

Down south we find W4OMW and W4KVX really down south. These boys operated VP5BH (Caymen Isle) for the DX contest and did a very fine job. QSL this group via W4KVX.

W9DGA reports one new one worked on 20 meters in VP5BH (Caymen Isle). Mac has 127 confirmed with 138 worked.

Here at the home of this copy there are 3 new ones. Two on 28 mcs which are SVØWP and VP5BH on 14 mcs UB5UW. A QSL from TG9WB puts the score at 100 worked and 94 confirmed.

Thats it old friends for another month so until the merry month of May rolls around, here is W9FGX saying take it easy, but take it.

The deadline for May SPARKS is May 14. Please mail your copy to the Editor, W9DGA at 1321 So Governor Street so it will be received by May 14. This also helps W9MWM, and W9RBV in their work on SPARKS.

See May QST for the complete schedule of military-to-amateur plans for May 18. The Secretary of Defense gives certificates of merit to amateurs sending in perfect copies of the official 25 wpm transmission. Additionally the schedule for TWO-WAY work, especially permitted between designated military stations on spot frequencies out of the amateur bands and amateurs in their proper bands has been expanded. WAR, NSS and AIR using all modes will work as many amateurs as possible in the 9 3/4 hours on May 18. Check the assortment of frequencies, times, and bands to use in QST and give this a try! Send your reports to Room BE-1000, The Pentagon, Washington 25, DC. A special article will be written about any TARS member submitting QSL cards from WAR, NSS, and AIR. Good Luck.

Auroras are formed when the outer fringes of the earth's atmosphere stops a stream of particles thrown out by the sun..W9UIA has a new 35 mm camera to go with his VHF.

W9OVB has his new Mercury and is just completing his mobile installation. Wilbur is using a shortened antenna with a loading coil just above center.

A 50 db gain is 100,000 times. Just think what a 50 db gain over S9 signal really amounts to.

W9JFJ had his picture on the front page of the Press recently. You will remember Humpy as TARS auctioneer. If you want to trade any equipment just see Humpy, he has it I'll bet.

TARS OFFICERS AND DIRECTORS

President	W9OG
Vice-President	W9MKZ
Secretary	W9OVB
Treasurer	W9AIN
Director	W9DGA
Director	W9WUH
Director	W9FJI
Director	W9YZO
Director (SWL)	Paul Wurtz

TARS AREC call letters are W9LIT.

"EVANSVILLE'S HI-FI HEADQUARTERS"

RECORD CHANGERS: FAMOUS GARRARD CHANGER IN SEVERAL MODELS

HI-FI AMPLIFIERS: BOGEN, BELL, ELECTRO-VOICE, GROMMES

RADIO CRAFTSMAN, SHERWOOD AND FISHER

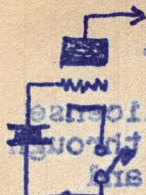
*
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* HEAR THE SPECTACULAR "GEORGIAN" AND ELEVEN OTHER SPEAKERS *
*

WESCO

428 PENNSYLVANIA

!!! PATRONIZE SPARKS ADVERTISERS !!!

THE CRYSTAL CONTROLLED CARRIER



By KN9EEL

In the next month or so some of Evansville novices will become conditionals. KN9EYD, KN9GBB, KN9EEL, and KN9EAC have taken the exam. This is a setback to the theory and code class to be sponsored by TARS.

An item for those expecting tickets or taking exams, when I applied for my technician I neglected to fill out the code certification and it took the FCC 6 weeks to return it. This time I forgot to include my technician license with the application and it only took the FCC 10 days to return it. This seems to be an indication that the time for processing has been greatly reduced.

Novice DX notes. KN9EYD has worked VE2UZ for his first DX. K9AZK has added KH6 to his four countries. Here at my shack I have added VE4PW to come to a WAVE total of 3 and 2. WP4AIT has been heard on 21.15 mcs regular.

Novice reports. KN9EYD has 287 contacts in 32 states and Quebec. He has been receiving on his HQ-100. KN9EAC has been having trouble with his DX35 transmitter and is now using a 3 wire dipole. KN9EYD has a Lettine 240 and a WAS total of 22 out of 22. KN9EEL has a WAS total of 22 out of 27. I got 200 new QSL cards from the Backus Press, locals who want them to replace my old ones let me know. KN9ELE has taken his conditional exam. K9AZK has 400 contacts in 42 states and 5 DXs.

I would like to give a word of advice to novices contemplating 15 meter operation. Before getting on 15 make some contacts on 80 and 40 meters and bring your code speed up to 8 or 10 WPM. Then when you get on 15 meters your operating skill will have improved greatly and 15 will remain the band of the better novice

operators. I am not trying to keep novices off 15 meters but 15 is a "fast" novice band and you will enjoy it more if you are fast, and others will enjoy it more also.

TARS AREC NEWS

By W9WUH & W9DIR

Sharpen up your direction finder loops, we are going "Spy" hunting on April 22 at 7:30 pm. The spies will be mobiles who check into the Tri State Amateur Radio Society Vanderburgh County Amateur Radio Emergency Corps (AREC) Net on 29.6.

If everything goes right you should know if your loops are giving reliable bearings by the end of the activities on drill night. It is planned to plot the location of the hidden mobiles in the TARS AREC trailer on a map. Fixed stations with loops as well as mobiles will find plenty of opportunity to shoot bearings and relay them to the trailer for plotting. In addition to loops, a magnetic compass or some other practical method of giving bearings in degrees from magnetic north will be needed. The starting time for this drill will be move up to 7:30 pm. Don't be late.

EX W9YPF VISITS HOME HERE

Jim Overlin, ex W9YPF (Yellow Pigeon Feathers), a veteran ham formerly of Evansville was in town recently because of the serious illness of his father. Jim is now K4CUQ and is working for North American at Cocoa, Fla. He says he listens on 29.6 mcs for the local gang but as yet has not caught the skip just right. He extends an invitation to any of the local gang to pay him a visit when down Florida way. He says he has plenty of room. His address is RR#3, Box 304, Merritt Island, Cocoa, Florida.

By W9AIN

From ARRL

Your Mobile News reporter has changed cars again and is preparing to convert the equipment for 12 volt operation. The RME 55 converter and receiver was designed for either 6 or 12 volts but the vibrator power supply will have to be rewired. The PE 103 dynamotor will work on either voltage but the transmitter proper will take a bit of conversion and rebuilding.

K0GKU has been having some modulator problems. W9GSC is our most recent new mobile. W9OG and W9KEP are heard mobile on 29.6 mcs. W9KLM and W9SWN are both mobile with WTVW. A W0 from Missouri is joining the staff of WTVW. W9UMS, W9WUH, W9GFS, W9IMI, W9YZO, W9ZZY, W9RBV, and W9UNT are heard mobile. W9QPI is in W5 land. W9BCD is active on the air and was pleased to see him attend TARS last meeting. W4HKT and W4CSN are still rebuilding and picked up some good bargains at the auction. W9KIE, W9NYX and W9NZC joined the last transmitter hunt. W5LTD has been looking for some Evansville contact from Oklahoma. W9LVL and W9MKZ are active in mobile affairs.

W9PNE is hoping for better weather so he can attend more of TARS meetings. W9BBC up at Indianapolis sends greetings to his Evansville friends. W9MWM is back on the air. Several local novices have taken the conditional examination and are planning their mobile installations. W9IHV has returned to Evansville employment and should be heard on mobile soon. W9BBW is a new mobile ARRL member. Plans for Field Day are to be considered by every mobile as a good test for self powered emergency equipment. Make a note of June 22 and 23 as Field Day for 1957 and come out to the Rural Center. W9DIR works 29.6. KN9HCG is new TARS member.

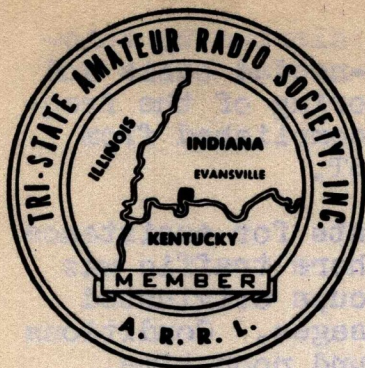


1. Get your license legitimately, through serious study and practice.
2. ~~Go on the air with pride, give every effort to being an example of a good clean-cut operator, with room for improvement.~~
3. Be a good speller, use good english, never profanity or obscene language, be honest and courteous to other hams.
4. Never send faster than you can receive. This saves asking "pse QRS." Your speed indicates the speed you can take. "Soon your c.w. will have rhythm. Getting your Novice License should be encouragement to keep studying. It is a compliment to your examiner, when your signals are on the air, if the sending is good quality, and disheartening to the examiner to recognize the call of a sloppy sender. Code and theory classes are just for you, the beginning of a fascinating electronic field, so consider it seriously, treat your gear with respect, as a means of communication, never a gimmick to play with. Our club wishes to help you be the highest caliber Novice, so you will be one of tomorrow's engineers. So start out right!"

COMING ACTIVITIES

TARS Alphabetical Contest	Apr 1-24
TARS AREC Drill	Apr 22
TARS Regular Meeting	Apr 24
TARS Executive Meeting	May 16
Armed Forces Day	May 18
TARS AREC Transmitter Hunt	May 20
TARS AREC Drill	May 27
TARS Regular Meeting	May 2
TARS Field Day Rally	Jun 19
TARS AREC ARRL Field Day	Jun 22-23
TARS Hamfest	Aug 25

May SPARKS deadline is May 14.



SPARKS

PUBLISHED BY AND FOR MEMBERS OF THE

Tri-State Amateur Radio Society

EVANSVILLE, INDIANA

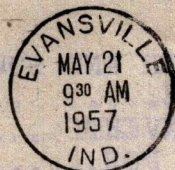
AN AFFILIATE OF THE AMERICAN RADIO RELAY LEAGUE

A MEMBER OF THE INDIANA RADIO CLUB COUNCIL

RETURN TO

Lowell A. Goodson
4512 Sweetser Ave.
Evansville 15, Indiana

W9RBV



GIVE -
MENTAL
HEALTH
FUND



TO

Clifford McGuyer
1321 S. Governor St.
Evansville 13, Indiana

W9DGA



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TARS CONTESTS

 * HONOR ROLL * Twelve hams
 * W9NAT * submitted QSL
 * W9NAT * cards in the
 * W9DGA * April Alpha-
 ***** betical QSL
 ***** contest.

Several others had cards but did not turn them in for fear of being too low on the list.

W9DGA completed the alphabet with 26 cards. KN9ELE did an excellent job in turning in 20, all worked on the novice band. He was rewarded by winning the drawing for the Dollar. The following is the list of stations entered.

W9DGA	26
KN9ELE	20
W9VSD	19
KN9EYD	11
W9MWM	8
KN9EEL	7
W9FHA	7
KN9GKT	6
K9AZK	4
W9FJI	4
K9AYH	1
W9WUH	1

TARS May contest will be another AREC Transmitter Hunt. W9NAT will conduct this one. The date will be May 20. Meet at the south end of Reitz Hill to have your speedometers checked. We will be unable to use the parking lot at Bosse Field because it will be used by the Ball Park patrons. Be at Reitz Hill by 7:15 pm. The Hunt starts promptly at 7:30 pm. You must have your speedometer checked to be an official entry. Drive carefully and safely. Speed is not essential to win.

TARS June contest will be a simple affair. This is Field Day month so all effort will be put fourth to make this years Field Day a success. The object of the contest will be to guess TARS AREC 1957 Field Day score. The nearest number a member chooses and qualifies wins. Turn in your guess at the Field Day Rally, TARS reg-

ular meeting June 19, and do something at the Field Day site to advance the cause of TARS AREC Field Day and you are eligible.

To give you some idea last year the score was 1980 and two years ago, our best, 2180. SEE U FD.



TARS AREC NEWS

By W9KEP & W9WUH

There is still some misunderstanding on the purpose of TARS AREC meeting every Monday evening on 29.6 mcs. Emergency drills are scheduled only for one monday per month, always the monday before the regular TARS meeting. The remaining mondays are training and information sessions. At these sessions, each of us should bring something useful to contribute to the TARS AREC. A suggestion, a piece of traffic, a bit of information, anything that might increase our usefulness as an emergency communications group.

Attendance has been very good these past few weeks and from all indications will increase still further. Our TARS AREC nets have come under fire from some quarters as being too foot-loose and gabby. If the net control station does not have all the snap and precision of a commercial operator it is because he is a "joe" like you and me, trying to learn by doing.

You can help by trying to keep the proceedings on a serious level. Permit me to quote from the ARRL Handbook, "The casual rag-chewing aspect of amateur radio, however enjoyable and worthwhile in its place, must be forgotten at such times in favor of the business at hand. There is only one way to gain experience in this type of operation, and that is by practicing it. During an emergency is no place for practice; it should be done beforehand, (next page)

Think about it a little. Better
still, do something about it.

The regular May meeting of the Tri-State Amateur Radio Society will be held at the Community Center Wednesday May 29. The meeting starts sharp at 730 pm.

K9ELE from Winslow reports he now has his conditional. He hears W9LVL on 40. Dave also has worked KN9EEL and is now a TARS member. If you hear K9ELE give him a call.

W9UNT has a converted BC459 10 meter Xmitr forsale. Has grid-plate meter and VFO or xtal. Uses a 2E26, 6C5-6N7 mod. Also a Motorola BC rcvr with 6AL5 noise limiter, with Tri-Band converter. It works too, ask W6TOD.

CTICO reports that CTI stations have been given permission to operate on 50-52 mcs. During the spring and fall contacts with USA should be possible.

TAES AREC Drill	May 27
TAES Regular Meeting	May 29
<u>Special AREC WLNJM Meeting</u>	Jun 3
TAES AREC Field Day Rally	Jun 19
TAES AREC Field Day	Jun 22-23
TAES Hamfest	Aug 25

[illegible]

COMPLETE LINE OF MIKES, COAXIAL CABLES, RELAYS AND MOBILE ANTENNAS

20 EAST SYCAMORE - 1/8 BLOCK EAST OF MAIN

[illegible]

!!! PATRONIZE TARS ADVERTISERS !!!

MAY 1957

TARS AREC MOBILE NEWS



COMMENTS
FROM YOUR PRESIDENT

By W9AIN

By W9OG

A report which has passed over the desk of my office as president has caused me to believe that your Society is beginning to take on the appearance of a mature organization. A lot of labor, sweat and tears of many of our members have improved TARS since it's original organization in 1946.

This year for the first time, TARS (now a corporation) has filed an Indiana Corporation report and a Federal Tax Information return.

In both of these returns, we are obligated to state our income and expenses, and our assets and liabilities.

In order to file these reports, properly, it is necessary to ask each and everyone the following question: Do you have in your possession or know who has any Society property or property which has been assigned to the Society? If so, please advise either your Secretary, W9OVB or myself and state the piece or pieces of equipment, location of equipment and any other information which will assist in the compilation of an accurate appraisal of all Society owned and Society assigned property.

A large room has been reserved for Monday June 3 at the Community Center, and the speaker, George Hart, W1NJM should have some interesting facts for all amateurs. I hope to see most of you then and at the next regular meeting Wednesday May 29.

The AREC is the basic structure of amateur emergency communication.

W9CXG is a mobile visitor from Norris City, Ill. W9GPR mobiles in from Vincennes every week. W9KLX, W9DIR, W9VZX, W9ZPP, and W9RIT are active mobile. The new call of KØGKU is K9HVI. W9IHV and K9HVI should get together. W9WUH is heard mobile every day.

W9UMS has been working on his mobile to improve his signal. W9MJU and W4CSN have been talking over old times at Castrups. W9VSD and W9SJM are active on 29.6 mcs from their home stations.

W9EHU was a visitor in the city over Mothers day week end and visited with a number of local hams. Your reporter was a recent visitor at W9KVE and W9UMS at their new homes and have been busy setting up their equipment.

Had a talk with W9UIA our local VHF expert. W9GFS is semi-active while awaiting an increase in the family. W9YZO is still working the Owl shift and is also mobile. W9KEP can be heard all over the tri-state mobile while traveling at his work.

W9RCD is working on his rig. W9MCN was home from Purdue for a weekend. W9OG still makes the mobile frequency and is active fixed. W9NYX and W9AIN have been spending time at the Rural Center planning Field Day Antennas. W9WUH reports we are to have the most elaborate Field Day operations in TARS histor and every one should spend as much time as possible at the Rural Center. W9PNE hopes to be with us more now since the weather is good.

Come see and hear George Hart, W1NJM from ARRL at the Community Center Monday June 3, 1957 at 730 pm.

By KN9EEL

The Tri-State Amateur Radio Society will conduct a school beginning June 5 on Amateur Radio. The location will be the Community Center and will start at 730 pm. The course will start from the beginning and meet each Wednesday but miss TARS regular meetings. If you would like to attend see W9AIN.

The deadline for June Sparks is June 6. This is a week early due to the meeting being moved up to June 19. Please mail your copy to the Editor, W9DGA, 1321 So Governor St to be received by June 6.

Harold Broadstreet would like a used receiver for about \$60. Call him at Sears Roebuck, ext 25. W9JFJ has a new 3 element rotary beam up for 10, 15, and 20 meters. It is up about 50 feet and is a thing of beauty to see. The US will spend on the Satellite for the International Geophysical Year more than \$20,000,000. Hear W1NJM Jun 3.

It took 7 weeks for me and 6 weeks for KN9EYD to get the conditional. K9AZK has Heath VF-1 and a WAS of 41/40. Both of us have been work on a standby switch for zero beating. KN9GKT has built the Pop-Tronics 15 meter converter. KN9HCG has worked a WL7 on 15. KN9DRI works 80 with his CAP antenna. K9AYH has his Globe Trotter on now.

The novices certainly made a good showing in the TARS Alphabetical contest. June QST will have results of the Novice Round-Up. Novice Field will use a SX-71 and an Adventurer. Bring along a fist full of crystals marked with your call.

Treat Amateur Radio with respect, never as a gimmick to play with, or for your personal gain, but as something the old timers have worked long and hard for. Wear your Amateur Radio hat with respect.

" EVANSVILLE'S HI-FI HEADQUARTERS "

RECORD CHANGERS: FAMOUS GARRARD CHANGER IN SEVERAL MODELS

HI-FI AMPLIFIERS: BOGEN, BELL, ELECTRO-VOICE, GROMMES,
RADIO CRAFTSMAN, SHERWOOD AND FISHER

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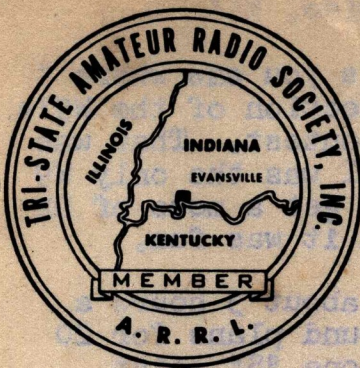
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HEAR THE SPECTACULAR "GEORGIAN" AND ELEVEN OTHER SPEAKERS

WIESCO

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SPARKS

PUBLISHED BY AND FOR MEMBERS OF THE

Tri-State Amateur Radio Society

EVANSVILLE, INDIANA

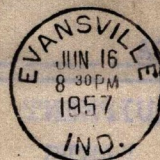
AN AFFILIATE OF THE AMERICAN RADIO RELAY LEAGUE

A MEMBER OF THE INDIANA RADIO CLUB COUNCIL

RETURN TO

Lowell A. Goodson
4512 Sweetser Ave.
Evansville 15, Indiana

W9RBV



TO

Clifford McGuyer
1321 S. Governor St.
Evansville 13, Indiana

W9DGA

Hope your meeting tonight was a big success and that everyone was enthused by the ARRL speaker, Geo Hart. I would liked to been there, but with Bible School (my wife teaching) etc., just couldn't make it.

My son, Rich, KN9DCF wanted to send a report for the Crystal Controlled Carrier but didn't notice until too late that the copy deadline was a week early. If you find room, you might put in his dope. Rich used his Novice ticket until the last day and has been waiting for his conditional 6 weeks now. He is itching to get back on the air. Rich completed his year as a Novice with 46 states, 31 countries, and 5 continents worked. Most of this with his DX-20 and some with his 6L6 rig. He entered CQ WW DX test and scored 2nd high nationally, altho there were but a few entries. It was enough to swell his 12 year

As for me, I guess you saw where I won the 3.5 mcs section of the W9's in the CQ WW DX contest. That was really tough, as I was the only W9 entry, hi! I did get a mess of DX on 80 though, and it was fun.

I get on the air about 3 hours a week. My new ground plane for 20 metters is about one "S" point better than my long wire for DX. New ones worked this month are SV0WE, VR3G, and EA6AM. Now have 149 countries worked.

Well, Mac, 73 and hope to CU again soon. You're doing a swell job on TARS paper and contests.

Brice. W9PNE.

32 States and 3 possession now grant call-letter license plates. Interest is high in the remaining states with several to be added later this year.

W9KVE has built the Moni-Match
Mark II and it works fine.

[illegible]

RCA

TEST EQUIPMENT
TUBES PARTS

HALLICRAFTERS

RECEIVERS
IN STOCK

COMPLETE LINE OF MIKES, COAXIAL CABLES, RELAYS AND MOBILE ANTENNAS

[illegible]

OHIO VALLEY
SOUND

20 EAST SYCAMORE - 1/2 BLOCK EAST OF MAIN

[illegible]

!!! PATRONIZE TARS ADVERTISERS !!!

By W9AIN

By KN9EEL

With Field Day a few days away preparations are well under way. KN9EKV has checked the 600 watt novice generator and the 3 KW TARS unit. KN9EOL is working on the novice and W9NYX has TARS antennas under control. Come out for Field Day June 22 and 23.

TARS Amateur Radio School started June 5 with over three dozen in attendance and a few more to join this week. We hope to have a brand new crop of good amateurs.

One of the benefits of being a TARS member is the reduced price of ARRL membership. This is obtained through the treasurer.

W9UNT is leaving Evansville for California where he will be in the research labs of Hughes Research and Developments Labs. Earl has been an active amateur on both the high and low frequencies and we wish him all the luck possible.

Word has been received from Princeton that Stanley Byers has held his novice, technician, and telephone first class license within the past six month.

A good turnout of mobiles for Armed Forces day included W9OG, W9WUH, W9RDJ, W9YZO, W9UMS, W9KEP, W9GSC, W9Rit, and others.

W9OVb has his mobile completed. W9RIT and W9MCN mobiled to Ky Lake to meet W9NAT and W9SWN. Our May TARS AREC drill included W9OVb, W9RIT, W9ZPP, W9RBV, W9BBW, W9DIR, W9VZX, W9KVE, W9UMS, K9HVI, W9NYX, W9OG, and W9ZPP.

Vern K9CX8 mobiles in from Illinois frequently. W9KLX is active mobile.

An Amateur Service establishment, the AREC, is the basis from which stems all emergency communications utilizing amateur radio.

W9UMS is on the committee handling the Boat show on the Ohio River coming late this summer.

K9AZK and I went to the Madison Hamfest May 26 at Clifty Falls State Park. They had a nice hamfest for a small club. There were about 100 there including W9QYQ and W9NTA. Their club W9EFU had 4 transmitters on the air, 2, 75, 10, and 6 meters. W9QYQ had a 3 band mobile. Biggest prizes were Kw Balun, all band traps, mobile whip mounts, and a Q multiplier. WRL had their US radio maps there. These new maps are an improvement over the old. They have 7 2 meter mobiles in the area. National had a representative with 4 receivers there. A good time was had by all.

A correction on last month-KN9EYD and KN9EEL have been waiting now for 10 weeks and still not conditionals yet.

KN9GOE is up to 42 states. KN9EYD has 40. K9EJR and K9EYC have their conditionals. Took 11 weeks.

KN9EKV has made application for MARS. K9AYH is rebuilding his Globe Trotter. He is using a TR-75 now. WAS here is 33 and 26. K9AZK has been on 40 and 20 CW. The League crossed me up, June QST does not have the 57 Novice Round up results.

NOVICE FIELD DAY. It will be at the West Heights School Ground. Go to Maryland and St Joe, turn west on Maryland, go up Maryland street hill, turn north (right) go a few hundred yards past Mater Dei and it will be on your left. We will use an Adventurer transmitter, an SX-71 receiver. Operators bee at the TARS Field Day meeting June 19 for schedule and other information.

THE AMATEUR'S CODE

The Amateur is Gentlemanly.

The Amateur is Loyal.

The Amateur is Progressive.

The Amateur is Friendly.

The Amateur is Balanced.

The Amateur is Patriotic.

May 24, 1957

Mr Ray Miller

Dear Mr Miller:

I want to thank you for offering to give the information from my son, Bob, who is in Germany to your Club. I am sure he will appreciate it very much because he is studying in Germany to be a "Ham Radio Operator" when he returns home. Since he cannot continue for his degree in engineering where he is located, learning this hobby I am sure will hold much interest.

Here is the information he sent;

Our call sign is DL4NUR, 15 meters only on SSB. Mon, tues, and Wed, 1 pm-9 pm Nurnberg time.

Very Truly,

/s/Mrs F J Krug.

W9LGQ has Valiant xmtr and 4 element beam up 40 feet. Has worked several countries including Scotland.

Official ARRL Bulletin

Word has been received from SM5ANY secretary of the Swedish amateur society SSA, that Swedish amateurs may now obtain temporary authorizations for operation in the six meter band. Permission will be given to qualified applicants on an individual basis, effective June 1, 1957, through December 31, 1958, the duration of the International Geophysical Year. Operation will be between 50 and 50.5 mcs with 150 watts maximum power on cw and voice. At least one Polish amateur SP2DX has also received permission for 50 mcs work. From June 20 on, he will be on 28 mcs looking for schedules for 50 mcs.

Hams of the Tri-State have been invited to check into the Alcoa Net 7270 kcs + 10 thursdays at 830 pm cdt. This information is from Ralph N Harder, W4NLJ who will move to Evansville about July 1.

W9OG has several requests for overseas contacts with Evansville residents. Interested hams call W9OG.

Deadline for July Sparks is July 18.

"EVANSVILLE'S HI-FI HEADQUARTERS"

RECORD CHANGERS: FAMOUS GARRARD CHANGER IN SEVERAL MODELS

HI-FI AMPLIFIERS: BOGEN, BELL, ELECTRO-VOICE, GROMMES
RADIO CRAFTSMAN, SHERWOOD AND FISHER

HEAR THE SPECTACULAR "GEORGIAN" AND ELEVEN OTHER SPEAKERS

WESCO

428 PENNSYLVANIA

COMMENTS FROM YOUR PRESIDENT

By W90G

The amateur radio school started Wednesday June 5 with a good turn out. We should have lots of new novices in the near future.

I hope these new novice operators won't replace those now operating incorrectly, such as out of band operation, etc. The Commission will not tolerate such operation.

The AREC Trailer, Novice group, and CD Bus will operate from different locations during the Field Day. Their operation is to be considered as one unit. This is necessary to keep down interference common to such operation.

TARS AREC FIELD DAY

By W9WUH

Last minute details are now being ironed out for our 1957 Field Day. In case you are a little late getting filled in on Field Day, this is the layout. Friday 21st the trailer will be moved to the Rural Center and as much of the set-up work as possible will be done then. We plan to use a 30 watt rig to prove by our score that emergency communications doesn't depend on high powered rigs. (Also we get a nice fat multiplier. Ed).

The antenna we expect to use will be eight half waves long on 80 meters.

Operators who have volunteered, all have contest experience behind them and are the "cream of the crop", as requested by the general membership. They are W9PHA, W9FGX, W9MMW, W9DGA, and W9WUH, and the committee is still working on a couple of more.

These operators will have an opportunity to familiarize themselves with the Field Day gear the week before Field Day and have their ears tuned to reject all calls except CQ FD.

A location for the CD bus has not yet been found. Those with suggestions contact W9UMS. The CD bus will not

schedule operators, but those who are not familiar with the bus will have an opportunity to operate.

The Novice set up will be located at West Heights School on Harmony Way. Details in the Novice Column.

The last scheduled meeting of the Field Day Committee will be June 19th at 630 pm one hour before the General Field Day Rally Meeting. All Field Day problems will be worked out by then.

TARS AREC NEWS

By W9WUH

The TARS AREC is still meeting each Monday evening on 29.6 mcs at 730 pm. Bring your suggestions for better emergency communications and sell them to your EC and fellow members.

The May AREC drill was a simulated attempt to tie commercial coverage of our AREC and we should concentrate future efforts in that direction.

W9AIN, K9HVI, KN9EKV, K9AZK, and K9AYH worked W9LIT/9 in the CQ 11 meter contest. They worked 8 states with 14 contacts. They also worked W9LIT/9 in the ARRL VHF Sweepstakes contest by working two stations on six meters.

W9YZO has received his code proficiency certificate for 35 WPM.

An Ex Evsl ham, W9MZE visited home June 5-9. Gordon is secretary of the student council at the Tri State College at Angola Indiana.

The AREC is the basic structure of amateur emergency communication.

COMING ACTIVITIES

TARS AREC Drill	Jun 17
TARS Regular Meeting	Jun 19
TARS ARRL Field Day	Jun 22-23
TARS Executive Meeting	Jul 18
TARS Regular Meeting	Jul 31
TARS Hamfest	Aug 25

Deadline for July Sparks is July 18.

KN9GOE has worked over 1000 contacts and works mostly 40 meters. Is RR man.

By Paul Wurtz

TARS June contest will be a simple affair. This is Field Day month so all effort will be put forth to make this years Field Day a success. After all the Society has

To give you some idea last year the score was 1980 and two years ago, our best was 2180. See U FD.

The Canadian Department of Transport announces that amateurs in Labrador were assigned VO2 calls followed by two letters. Newfoundland hams are assigned VO1 calls. VO2, VO3, VO4, and VO5 have been all absorbed into VO1.

The ARRL Ninth National Convention
will be held August 30, 31, and
September 1 at Chicago, Illinois.

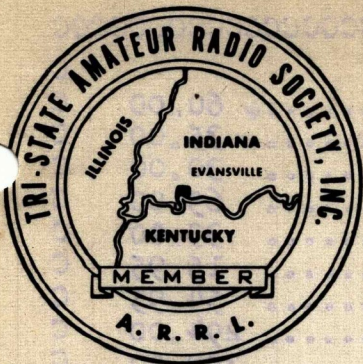
2 METER RECEIVER AND POWER SUPPLY.....	\$ 60.00
WATTERMANN SCOPE.....	35.00
3-30 GONSET CONVERTER.....	30.00
S-40B, A DANDY FOR.....	65.00
VTVM, NEW.....	33.00
TRANSISTOR DIODE CHECKER.....	15.95
NEW!!! S-38D (IN BLONDE).....	54.95
NEW!!! HQ-150.....	294.00
NEW!!! NC-300.....	399.50

SEE THE NEWEST HALLICRAFTERS...ITS A HONEY!!

" EVERYTHING IN RADIO AND TV "

CAS'TRUP

1014 W. FRANKLIN ST.



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Tri-State Amateur Radio Society

EVANSVILLE, INDIANA

AN AFFILIATE OF THE AMERICAN RADIO RELAY LEAGUE

A MEMBER OF THE INDIANA RADIO CLUB COUNCIL

RETURN TO

Main P.O. Box No. 51

Evansville, Indiana



TO

Clifford McGuyer
2900 East Oak Street
Evansville, Indiana

W9DGA

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RCA

TEST EQUIPMENT
TUBES PARTS

HALLICRAFTERS

RECEIVERS
IN STOCK

COMPLETE LINE OF MIKES, COAXIAL CABLES, RELAYS AND MOBILE ANTENNAS

OHIO VALLEY SOUND

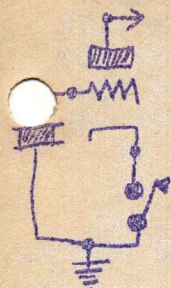
20 EAST SYCAMORE - 1/2 BLOCK EAST OF MAIN

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2

THE CRYSTAL CONTROLLED CARRIER

By K9EEL



Well Joe and I finally got our conditionals after 12 and 13 weeks respectively.

As closely as I can tell in about 3 months there is going to be about 14 new Novices in Evansville as a result of TARS Radio School. Another group will take there exam July 24 and 31. So you can see the Novice bands are going to be real active.

Next month I will reveiw the article by Keith Williams, W6DTY, "YOUR NOVICE ACCENT", and make a few additions of my own. All novices should read Mr Williams Article.

K9AZK is up to 650 contacts, has received RCC and has passed his ORS test. He has new QSL cards and WAS total of 45/41.

K9EYD has added a KL7 on 15 meters to come to a DXCC total of 4/2. Joe has some new QSL card and is trying to lick a severe chirp.

K9AYH plans to visit grandparents in German this fall and is building a rig for the trip. Walt is now on with a VF-1.

Evansville has a new ham, Carl, K9ITN a technition and plans activity on 6 meters.

Meg is now K9GBB and is active with a Ranger and SX-99.

NOVICE FIELD DAY REPORT. It looks like the total score was 702 on 80 through 6 meters. Best band was 40. All but 6 meters was on CW. Thanks to K9AZK and K9AYH for their help. Operators included K9AYH, K9AZK, W9BBW, K9EEL, W9FHA, and W9VSD. Due to generator troubles the rig was not on until 9:00 PM. At 4:00 pm there was 3 inches of water in the operating tent. Operation ceased at 2 pm sunday. 6 meters opened to the east coast about 1 pm Sunday afternoon.

KN9DRI, K9AZK, and K9EEL now have telephones in their operating rooms.

What happened to you guys in the Novice Roundup? You would think someone in the Tri-State would and could top 144 points. KN9EYD was heard in Yugoslavia.

Expect RCC here soon. My WAS total is 37/31. 73, John.

Ed note. Mail Novice and K9 information to K9EEL at 2112 Lincoln Avenue by the tenth of next month so John can get it in his column.

PAT O'BRYAN, W9YFD JOINS EXCLUSIVE

DX CENTURY CLUB

Pat, W9YFD is to be congratulated on becoming a member of the DX Century Club sponsored by the American Radio Relay League.

He has worked long and hard the past several years to accomplish this feat. Most DX was worked on 20 and 15 meters using CW and a ground plane antenna.

Requirements include working and receiving written confirmation from 100 foreign countries, and the use of good operating ethics.

W9YFD DXCC certificate number is #2981. Other local amateurs who are members of this exclusive club are W9HQF #1174 and W9DGA #786. Again congratulations Pat.

OFFICIAL ARRL BULLETIN NR 606. VHF history has been made July 8 when W6NLZ of Palos Verdes Estates, Calif worked KH6UK at Kahuku, on the Island of Oahu. 144 mc contact was made on a 2130 PST schedule that had been kept regularly for more than 9 months. Signals were good CW copy both ways and moderately steady for more than one hour, suggesting tropospheric duct propagation. Tape recordings were made at both ends of the 2600 mile path.

The ARRL Ninth National Convention will be held August 30, 31, and September 1 at Chicago, Illinois.

By W9AIN

W9KEP had a good crowd to report in for the TARS emergency AREC drill on the 15th. W9KLX and K9GBB were newcomers while W9MCN reported for the first time since he is home from school.

K9GBB received her conditional license while recovering in the hospital and we are glad to see her home. W9YZM has been active on ten lately.

W4TBU is active while home from school along with W4YOK and K4JGY. W9LVL has traded cars and is now on again with a good signal. W9UMS took the CD bus to the IRCC Picnic at Indianapolis along with W9WUH, W9ABW, and W9FJI.

W9YFD still gets on ten and Dorsey W9NAT is active mobile. W9MTF and W9JTU mobiled to the IRCC Picnic at Indianapolis with just enough room for your mobile editor. W4PKX has been active during the month and puts a good signal in Evansville.

W9VSD, W9GSC, and W9OG keep 29.6 active. W9OG is on all frequencies both fixed and mobile. W9GFS was active on 29.6 and is busy working on antennas.

With the Arora or northern lights noticable along with the sun spot cycle produces some very rare communications phenomina. W9JTU worked W4LOJ in Jackson Tenn, W9ZHS Indianapolis, K9ARO Christopher Ill, W4OGB Stanford Ky, and W9DPT in Jeffersonville Ind on 10 meters Sunday afternoon June 29. W9DGA reports the Aurora about 11 pm was as high as 30 degrees in the Northeast sky and was a beautiful sight to see June 29. W9JTU worked all stations with his beam pointed north into the aurora which was acting as a reflector. Some stations was worked as long as 20 minutes and all had a peculiar flutter due to the density of the gas in the aurora. Fine work Ken and thanks for this interesting information.

When you receive this edition of SPARKS our Annual Hamfest along with the many generous prizes will only be one month away. To be exact the date is Sunday August 25. The place will be Bauers Grove in Darmstadt only 8 miles north of Evansville. Make your plans to pack your basket and see all the gang at the TARS HAMFEST. CU There.

COMMENTS FROM YOUR PRESIDENT



By W9OG

This month of July has been a very active month for most hams everywhere- Hurricane Audrey, Operation Alert, and localized emergencies. From the amateurs of Indiana, Illinois, and Kentucky to the amateurs who held down the keys and mikes in and about Louisiana, our salute and congratulations. In addition to direct aid in the emergency, your nets did a splendid job for the many messages handled for anxious relatives and friends. The writer monitored these net frequencies for many hours. One important lesson was learned, never try to break an emergency net until you have been given the invitation. Many over zealous "Hams" could not wait. This resulted in QRM and a slow down of all net traffic handling. Many thanks to W9UMS and his crew for their active participation in Operation Alert. There could have been greater activity, had more of us reported in.

The Society Novice School has recently given exams to 14 applicants, more each Wednesday nights. Most of these fellows and girls should be receiving their new Novice calls soon. Expert supervision of the school was in the hands of W9DGA, W9AIN, and W9MKZ. Current "On the Air" code practice sessions have been used in connection with the school. (Ed Note-W9OG had a big hand in putting the school over too). Continuation of these sessions will be determined by the response received in the next several weeks.

Read elsewhere the many reasons for attending this years's (next page)

PRESIDENT, Cont'd.

Hamfest, then tell your friends. Advanced registrations will save you money.

Updating of our by-laws are in process. If you have any suggestions, drop a note or letter to me or to the committee's chairman, Robert Fink, W9BBN.

TARS JULY MEETING

TARS regular July meeting will be held at the Community Center, 8th and Main Sts, Wednesday July 31. It will be a general business meeting. A great part of the time will be turned over to the Hamfest Committee. There will be a suggestion to have W9LIT register as a RACES STATION, only. Suggestions will be taken for improving our present By-Laws. At the last board meeting which I nearly missed, it appears that all present did not have too many objections to the W9LIT deal. CU at the Meeting. W9OG.

HAMFEST NOTES

1957 Hamfest plans are nearing completion under the chairmanship of Paul Wurtz. Notes taken at several of the committee's meetings indicate that this year's hamfest should be the best if it is not the largest. Bauer's Grove has been reserved for the gala occasion. This grove is on the Darmstadt Road, one-half mile north of Darmstadt or about ten miles north of Evansville.

Paul says that he has ordered an HQ-110 Receiver as the main prize and expects many others. A local distributor has expressed his desire to display some of the very latest equipment. Contests, good clean games and a lot of shade trees for private gab-fest. Merry-Go-Round for harmonics. Barbeque Ribs for the hungry (if you do not want to bring your own picnic basket and have requested an order). Plenty of soft drinks, ice-cream, etc. Help the committee by sending in your reservation early to the Tri-State Amateur Radio Society, Inc., Main P.O. Box 51, Evansville, Indiana. See back page for Registration Form.

EDITOR HAS NEW ADDRESS

Please note new address of the Editor. Send your articles to 2900 East Oak Street. The deadline for August SPARKS is August 15.

TARS CONTESTS

***** The June contest was * HONOR ROLL * to guess TARS Field * W9NAT * Day score. The per- * W9NAT * son who guessed the * W9DGA * nearest score was * W9BBW * W9DGA. W9NAT and * W9DGA * W9DGA are now tied ***** with two wins each. The winning guess was off just 22 points. W9AIN was second and missed by just 47 points. Third place was snagged by Paul Wurtz. The score was 1953 points.

W9DGA	1975	W9VZX	3333
W9AIN	2000	W9WUH	3375
Wurtz	2130	Homes	3656
W9MKZ	2230	Melton	3735
K9AYH	2593	W9OVH	3850
W9RDJ	2675	K9ELE	3910
W9NZC	3070	W9OG	4127
Cox	3241	K9AZK	4427
W9FJI	3245	K9EEL	4726

The July contest is to bring a QSL from the following states worked during July to the regular meeting July 31. The states were drawn at the June meeting and are W Va, Ala, Colo, NY, and Maine.

The August Contest will be a TARS Hamfest Special Transmitter Hunt held Sunday Afternoon August 18 at 1:30 pm. Meet at Reitz Hill to have your speedometers checked. Same rules as in past will be used. This Transmitter Hunt will be under the supervision of Paul Wurtz.

POSSIBLE NEW NOVICES IN TOWN

Exams were taken July 17 at TARS Radio School. More to take exams latter. Don Young, Richard, Wilson, Mike Blake, Mike Richards, Robert Herendeen, Donald Bracher, Ray Massingham, Ron Kelley, Luther Kent, David Melton, Tommy Holmes, C R Greene, Jim Russelburg, and Norman Oeth. Because some did not receive their exams in time they will take theirs later. Guess the Chicago Office was swamped by TARS students.

"EVANSVILLE'S HI-FI HEADQUARTERS"

HI-FI AMPLIFIERS: BOGEN, BELL, ELECTRO-VOICE, GROMMES

RADIO CRAFTSMAN, SHERWOOD AND FISHER

HEAR THE SPECTACULAR "GEORGIAN" AND ELEVEN OTHER SPEAKERS

WESTCO

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1957 TABS HAMFEST REGISTRATION FORM

TARS REG. NO.

My Name in full _____ My Call _____

My Address _____

Attached is my check (or Money Order) for _____ registration(s).

Please reserve _____ plates of barbeque ribs. (Cost will be nominal).
The supply of ribs will be limited to orders received.

Total amount enclosed. \$

Registration Fee (if postmarked Aug 19, 1957 or before) is \$2.00 per member or guest (including his or her family), and includes all planned activities. Make Checks or money orders payable to:

1957 TARS Hamfest, and mail with this registration to:

Tri-State Amateur Radio Society, Inc., Main P.O.Box 51,
Evansville, Indiana.

Note. After August 19, 1957, the fee will be \$2.50.

W9LIT will be on the air on 2, 6, 10, and 75 meters to guide you to the grove. Help by sending in your reservations early.



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Main P.O. Box No. 51
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TO

Clifford McGuyer

W9DGA

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Evansville, Indiana

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TEST EQUIPMENT
TUBES PARTS

HALLICRAFTERS

RECEIVERS
IN STOCK

COMPLETE LINE OF MIKES, COAXIAL CABLES, RELAYS AND MOBILE ANTENNAS

OHIO VALLEY
SOUND

20 EAST SYCAMORE - 1/2 BLOCK EAST OF MAIN

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2

TARS 1957 HAMFEST

SUNDAY AUGUST 25

BAUER'S GROVE

By Paul Wurtz

W9BDA, George Cotter Engineer at G E will talk on mobile equipment troubles at the 11th TARS annual HAMFEST, Sunday August 25 at Bauer's Grove, 8 miles north of Evansville on the Darmstadt Road. Signs on North 41 near Grumpy Pal Motel showing the turnoff.

Mobiles can work W9LIT/9 on either 2, 6, 10 or 75 meter phone.

We guarantee you and the whole family will have a very FB time. There will be rides for the kiddies. Also Games and Prizes for the XYL's. There will be plenty of prizes and contests planned that will be "dillies".

Some of the prizes include an HQ110 receiver, a Grid Dip Oscillator Kit, a Conelrad Alarm, a Multimeter, and many many more.

There will be a swap or sell table set up for your pleasure. There will be a ball game, "Phone Vs. CW", Mobile Judging contest, License Exams, and lots of displays of new equipment.

The eyeball QSO's are worth the registration fee. Advance fee is \$2.00 if sent to the Hamfest Committee, Main Post Office Box 51 prior to August 17. Registration at the gate will be \$2.50. Those good Bar-B-Q Ribs will be available again at \$1. but you must make re-

servations in advance. Gates open at 10 am CDT. The big drawing for prizes starts at 10:30 AM CDT and continues every half hour.

Anyone wishing to contribute to the gear prizes please contact Paul Wurtz at HA 2-6035 or HA 3-8786. No junk please. Not necessarily expensive but at least useable.

Dust off some of that stuff that you have collected for that "Dream Rig" that will never see the light of Day. Maybe some other Ham can use that Co-AX relay or final tank condenser.

A set of Balun Coils that you will never use since you got that Pi-Network output and beam "perking" together, might make some Ham glad he came to the Hamfest.

Will see all of you at the Hamfest so start making your plans to attend. In the past years our TARS Hamfest has grown from 50 people to over 300 last year. You will be missing the Highlight of the Ham year if you do not attend. Be there.

The deadline for September SPARKS is September 10. Please note new address of the editor. 2900 East Oak St, Evansville 14, Indiana. Do not use the Post Office Box of TARS as that only delays your copy, and it could be left out altogether as I do not check the Post Office Box. Mail directly to me at home.

By W9FJI

By K9EEL

Operators at the Mesker Auditorium were W9UMS, W9WUH, W9OG, W9OVH, W9KEP, W9MCN, W9VZX, W9VSD, and W9FJI. The FM Handsets were used for this operation and aided the CD Auxiliary Police considerably.

Those who assisted at the Rural Center for the Scott-Vanderburgh Fair were W9WQQ, W9VZX, W9VSD, W9KEP, W9UMS, W9OG, W9MCN, W9FHA, Ex-KN9EKV, W9BBW, W9WUH and W9FJI. The FM sets were used at the Rural Center at the Railroad tracks to control movements over the tracks. The Sonar and the Gonsets were used at the gates to control movement into the parking areas. All who participated were given free tickets for refreshments, etc, etc. The Civil Defense Auxiliary Police stated that without the aid of the hams, the police would have been unable to handle the traffic.

Myron Shoaf, K9JAR who recently received his ticket, has just completed a home-brewed all band rig, and should be on the air soon.

K9GOE has his conditional license and a Globe King Champion transmitter, and a Lattin Trap antenna. Joe has worked 44 states on the novice bands.

With the advent of many new novices in and around our town, we should give priority to the Harmonic problem which might arise. Every effort should be made to help these new comers, by arranging between these new novices and experienced amateurs to make sure radiation is where it belongs and to eliminate harmonics.

Plans are being formulated for general class instruction at the Community Center. Additional help will be needed for the estimated larger classes. Someone will be calling you, if not, do not hesitate to volunteer your services. Class room has been assured by the Community Center for Wednesday nights.

The AREC is the basic structure of amateur emergency communications.

As promised last month this month's feature is a review of "Your Novice Accent", by Keith Williams, W6DTY which appeared in November QST.

For your exam you learned punctuation for practical purposes, you may now forget all but the question mark and learn the long break BT. These are the only 2 punctuation marks in common usage. Do not use a comma or period but use BT to separate a thought. A QSO might go as such at first; W9DGA de K9EEL GM OM es tn timer call BT UR RST 599 HR in Evansville Ind BT Name is John BT HW? AR W9DGA de K9EEL K. Nobody uses and but use the french es instead. Fer is commonly used in place of for. GM means good morning, GA good afternoon, GN good night. The return to the QSO above might be; K9EEL de W9DGA R FB John BT Ur RST 599 hr in Evansville Ind es name is mac. from here the QSO may be developed into a ragchew or the time-worn Wx es Rig report and the a 73. You will find most novices will not use these forms or procedures, nevertheless you use the accepted ways. You will influence others. After W6DTY's article appeared there was a marked improvement of operating procedure in the Novice bands.

K9AZK is up to 46/46 WAS and worked a KZ5, XE2, and a DL4. Walt is nearing 800 contacts.

K9EEL is up to 38/33 WAS and has changed the 40 meter doublet to a folded dipole and added an antenna relay. K5HGX is visiting here from Dallas and will be here for 2 weeks.

K9EYD is on 20 CW. 73 and CU all at the TARS Hamfest.

TESTING

There is only one place to test and that is on a dummy antenna. A light bulb of suitable wattage across the r.f. output of your transmitter will furnish a load for testing modulation and you can whistle into the mike at your hearts content without bothering your fellow amateurs on the already overcrowded amateur bands. W5AXI.

COMMENTS FROM YOUR PRESIDENT

By W9OG

The same old story to many, but worth a few lines for review. The duties of our vocations together with necessary thought and study to improve our usefulness to these vocations, plus responsibilities to our families, homes, churches, and friends, take a major part of each day. In addition many of us have hobbies which we enjoy. In respect to these hobbies, most of us have chosen amateur radio. Then in connection with this amateur radio, we have many phases, such as: traffic handling, experimenting, listening, DX-ing, SSB, etc. Combining all of these phases is one of the principles of a radio club.

To have a successful club, it is necessary to have complete cooperation from each and every member. In order to entertain this, we must appreciate the other fellow's idea of usefulness even if it does not fully coincide with our idea of usefulness. To that end, let's all of us get together, forgetting our petty differences and make the coming Hamfest a success and thereby strengthen our Society for greater service to our community.

Due to vacation time at the Community Center and activities in connection with the coming Hamfest, there will be no August General Meeting. The regular Director's meeting was held Thursday, August 15 and any business conducted which will necessitate general membership approval will be forwarded to the members at the regular September General meeting.

TARS AREC MOBILE NEWS

By W9AIN

Now is the time to get that mobile fixed for the Hamfest and the place is Bauers Grove just north of Evisl near Darmstadt on Aug 25. TARS is offering some fancy prizes. For those who arrive by mobile there will be Xmtrs on 2, 6, 10, and 75. W9LBD visited Evisl the past week. W9RIV is on 29.6 from his Dodge. W9UMS requested operators and the Society Trailer for the River Show on Dress

Plaza. W9RBV is heard on 10 occasionally. W9OG, W9ABW, and W9OVB are heard weekends. W9GFS works evenings on the way home from Owensboro. W9OG was the center of attraction when 3 Cleveland hams looked him up on the river front. W9NAT, W9NYX, W9MCN, W9RIT, and W9ZZY mobile to Ky lake. See you all at the TARS Hamfest.

TARS CONTESTS

***** The Contest of TARS
* HONOR ROLL * for the month of Sept
** W9NAT ** will be held at the
** W9NAT ** regular meeting Sept
** W9DGA ** 25. Bring pen or pen-
** W9BBW ** cil. Details will not
** W9DGA ** be announced in advan-
** K9AZK ** ced. Just be there
***** equipped with a pen
or pencil to be eligible.

The August Contest was a transmitter hunt held August 18 under the direction of Paul Wurtz. Details later.

Walter Smith, K9AZK, Evisl newest ORS won hands down TARS July Contest. Walt is now listed along with the rest of the honor stations of TARS. Congratulations Walter, keep up the good work.

Editor, SPARKS. Bureau of Motor Vehicles

As we expect considerable increase for 1958 on Ham plates on account of the reduction in price of having these plates made, we are requesting your help that we may have all orders for these plates made by Dec 1.

If applicant will comply with this request, plates will be ready by Jan 1 when 1958 plates are legal to use.

Plates ordered after Dec 1 take 60 days to be made as that is rush time.

We are mailing each applicant who has had ham plates an application about the last of August.

If you should have any use for some of these applications or know of any other Ham Radio club that might use them let me know, we will be pleased to mail applications.

Robert L McHanan. Cliff Beamish.

The above has been paraphrased.

2 METER RECEIVER AND POWER SUPPLY.....	\$ 60.00
WATTERMANN SCOPE.....	35.00
3-30 GONSET CONVERTER.....	30.00
S-40B, A DANDY FOR.....	65.00
VTVM, NEW.....	33.00
TRANSISTOR DIODE CHECKER.....	15.95
NEW!!! S-38D (IN BLONDE).....	54.95
NEW!!! HQ-150.....	294.00
NEW!!! NC-300.....	399.50

"EVERYTHING IN RADIO AND TV"

CASTRUP

1014 W. FRANKLIN ST.

!!! PATRONIZE TARS ADVERTISERS !!!

1957 TARS HAMFEST REGISTRATION FORM

TARS REG.NO. _____

My Name in full _____ My Call _____

My Address _____

Please reserve _____ plates of Barbeque ribs. Cost is \$1 per plate.
The supply of ribs will be limited to orders received.

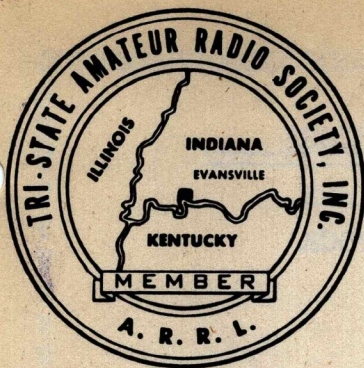
Registration fee is \$2.50 per member or guest (including his or her family), and includes all planned activities. Make Checks or Money Orders payable to:

1957 TARS Hamfest, and mail with this registration to:

Tri-State Amateur Radio Society, Inc. Main P O Box 51,
Evansville, Indiana.

Total amount enclosed. \$ _____

W9LIT/9 will be on the air on 2, 6, 10, and 75 meters to guide you to the grove. Don't miss this gala occasion to meet your ole friends.



SPARKS

PUBLISHED BY AND FOR MEMBERS OF THE

Tri-State Amateur Radio Society

EVANSVILLE, INDIANA

AN AFFILIATE OF THE AMERICAN RADIO RELAY LEAGUE

A MEMBER OF THE INDIANA RADIO CLUB COUNCIL

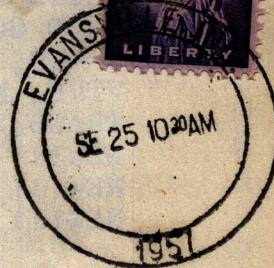
RETURN TO
Main P.O. Box No. 51
Evansville, Indiana

TO

Clifford McGuyer
~~1321 S. Governor St.~~
Evansville ~~IN~~, Indiana

W9DGA

2900 EAST OAK ST.



TEST EQUIPMENT
TUBES PARTS

RECEIVERS
IN STOCK

精耕细作 精细耕作

OHIO VALLEY
SOUND

20 EAST SYCAMORE ** $\frac{1}{2}$ BLOCK EAST OF MAIN

!!! PATRONIZE TARS ADVERTISERS !!!

2 METER RECEIVER AND POWER SUPPLY.....	\$ 60.00
WATTERMANN SCOPE.....	35.00
3-30 GONSET CONVERTER.....	30.00
S-40B, A DANDY FOR.....	65.00
VIVM, NEW.....	33.00
TRANSISTOR DIODE CHECKER.....	15.95
NEW!!! S-38D (IN BLONDE).....	54.95
NEW!!! HQ-150.....	294.00
NEW!!! NC-300.....	399.50

"EVERYTHING IN RADIO AND TV"

CAS'TRUP

1014 W. FRANKLIN ST.

!!! PATRONIZE TARS ADVERTISERS !!!

COMMENTS FROM YOUR PRESIDENT

By W9OG

The writer has been advised by the editor that this issue is to be considered a vacation (W9DGA's vacation) special, and that articles should be short and to the point.

Shrewd management together with a well planned program resulted in a successful Hamfest. Paul (W9 or K9?) Wurtz, chairman stated that this year's intake was greater than the paid outs. Maybe we can afford a new spring for the new (?) truck.

The winners of the various Hamfest contests were; W9UQP of Indianapolis who tapped a wicked foot key-the reward being a Comelrad Alert Alarm. KN9IXD, editor of the Bison, was the first to officially recognize Mr. "HAM". She received a Grid Dip Meter for her alertness. Paul Norris, W9ONQ of Sandborn won the Multimeter for the best mobile installation. The top horseshoe-ers were W9DGA and W9UMS. In a renewal of the baseball war between the CW and phone ball clubs the CWites once again upheld the traditions of "W9QLW and W9EHU". This was the best year for the phone team in several years. The official scorer was Dr Hare and Harvey Denton was the umpire. Both teams played errorless ball, Hi. The contest lasted 2½ innings, the CW team not needing their last bats. The box score:

PHONE	8 runs	11 hits	0 er.
CW	11 runs	11 hits	0 er.

So the CW men continue their unbroken string of victories.

There were too many ladies bingo winners to list here, but I hope that all were pleased. The harmonics, everyone of them, won a ride on the Honey-Crust Merry-Go-Round.

The choice attendance award, the HQ-110 was won by K9GCQ, Jarvie Mullen of Lawrenceville, Illinois. Except for the local hams, our neighboring city of Henderson deserves the honors for the largest representation, with Terre Haute

a close second. In summarizing, thirty two Tri-State towns or cities were represented at this year's TARS Hamfest.

The above is old news now. Coming is the regular September business meeting. October will be your opportunity to elect new officers at which meeting a special program is being planned, including coffee and do-nuts. The annual dinner meeting is tentatively planned for Wednesday November 27 for you, your XYL or YL.

The new Emergency Co-ordinator for TARS (to be appointed very shortly) deserves your cooperation. Give him your very best. Keep an ear open for the new novices about town and help them get started in our hobby. CU at the next meeting.

INDIANA FONE NET GOES SSB

At a recent meeting in Ft Wayne a plan was formed to try and get better relations between AM and SSB operators. We will have an educational program one night a week just before net time, conducted by an outstanding sideband station. After a few sessions of this type we plan to have an SSB station take NCS one night a week. More ideas and suggestions along this line will be appreciated. SCM W9NTA.

As part of a proposed reallocation of frequencies for the Citizens, Industrial, Land transportation, remote pickup and several new radio services, the FCC has issued notice of kintent to withdraw present permission of amateurs to operate in the ISM band at 27 mc and make this band available to the Citizens Radio Service in ten kcs assignments with maximum power of five watts.

W9YZO is a member of the International College of Surgeons. Congratulations Doc. W9RIV is building new SSB amafifier. K9ELE works W9LBD at LaPorte. W9MZE visited home and is now back at school at Angola. W9PNE works 160 meters. W9FJI visited the MARS picnic at LaFayette. Amateur Radio Exists as a hobby because of the service it renders. W9UWL is W9FJI brother.

I have been trying to get on 6 for a long time, but with my interest in DX and 160 meters, I kept putting it off. In May, I cut holes in a chassis to build the 12AT7-2E26 rig from the handbook. Rich built the rig from there, and also built a power supply-modulator combination.

I got on the air June 13, but didn't work anything until June 16, when I managed to get K4BUV. I was using my trusty 536 ft long wire. I was then off the air until after we got back from our vacation trip to the west, and got back on July 3.

I had a few QSO's from then on, K4HTO, W9NKG, W1ADL, W1VMR, and W4CSN. These were all with the long wire antenna and the old NC-183 receiver.

I finally rebuilt my WRL 5 el beam to a 4 X el medium spaced beam as per the handbook formulas, with T match, balun coax transformer, and RG8U feed line. I put it up 40 ft high, with the old W9ERU rotator. Needless to say, the beam made a big difference in reception and results.

Running between 8 and 15 watts input, I worked stations whenever the band was open. I'll list QSO's below:
July 14, Fla, Fla, Tex; July 21 Nebr, Ind; July 26, Ind; July 28, Fla, Tex, Colo, Mass; Aug 6, Ind; Aug 7, Ind; Aug 8, Ky, Ind; Aug 10, NY, Colo; Aug 14, Ind; Aug 22, Fla; Aug 27, NY, Mass, NJ; Sept 2, Ill, Ohio, Wisc, Ohio, Mo, Ind; Sept 3, built 6BK7A Cascode RF station to put ahead of the NC183, worlds of improvement in signal to noise and ration figure; Sept 4, Good aurora, Ohio, Mich, Mo, W VA,

The band has not been open, nor has there been aurora since Sept 4, while I've been able to get on. I now run 18 watts on phone and 25 watts on CW. All aurora contacts were on CW, with signals sounding about T4, phones difficult or impossible to read.

I hope to work KH6IJ this winter on 6. He and I have worked on all other bands from 160 up. 73 & DX.

Brice Anderson, W9PNE.

On October 12 and 13 the Amateur Radio Emergency Corps will conduct its annual Simulated Emergency TEST. AREC units throughout the nation will hold local drills on emergency net frequencies. Traffic will be handled for the AREC, CD, and Red Cross on the national calling and emergency frequencies. All amateurs are urged to take part through their local Emergency Coordinators. Amateurs not taking part are requested to avoid use of the national calling and emergency frequencies during the week end of the SET. If not already in AREC you are urged to join now through your local EC. Calling and Emergency frequencies are listed on page 76 September QST AR.

Heath Company announced two kits that have been replaced with new models are being offered to organizations such as TARS at reduced prices. The kits are the AT-1, \$20.65; and the FM-3, \$17.15. If you would like to purchase one contact the TARS Treasurer Fay Gehers, W9AIN.

All novice licensees are urged to check for radiation of harmonics. Those operating in the 3700 to 3750 kcs segment can make tests with nearby amateurs to make sure that strong second harmonics are not being radiated in the 7400 to 7500 kcs range to interfere with other services. It is suggested that novices avoid use of direct coupling or Pi network coupling to antennas. An article on page 26 of March QST will help those with multiband antennas eliminate unwanted harmonics.

For Sale; TARS two wheel trailer which formerly carried our 3 KW generator. Excellent condition and will carry a half ton. First offer over \$40.00 takes it. Call W9OG at GR61963 or W9AIN at GR64238.

Get your license forms to the Motor Bureau early. Help them to help you. The Old Post Club at Vincennes has a Globe Scout transmitter and a 3 element beam up 130 feet high on top of the Court House Tower. W9MIO now lives at Fort Branch. W9ZZR has a new 44 foot vertical and building 2E26 6 meter transmitter.

TARS MOBILE NEWS

By W9AIN

The TARS Hamfest held on August 25 was the highlight of the local mobile activity during the past month. The log of W9LIT/9 includes K9BSM, K9HTL, K9GVP, W9ZTD, K9EXY, W9SYM, W9EGL, W9KOJ, K4HTR, K9TGZ, and W9NQG on 6 and W9RBV, W9OQM, W4IHE, W4CSN, W9MIO, W9URQ and W4NLS on 75 meters. The W9LIT operators were W9WUH, K9ELE, W9AIN, and K9EDL.

Scotty Chase a past TARS member is now located on Guam and is using the call of KA0SC.

The newest mobile in town is W9ENZ. W9GFS and W4CSN keep up the ten meter mobile activity. W9EVL reports working a GM6 mobile, fine work Jim. W9WQQ, W9ABW, W9RDJ, and W9FYD were heard on 29.6 mc ready for a AREC drill monday evening. W9VSD and W4CSN are heard on 6. W9VSD took his six meter rig to camp in central Ohio and had a ball with 15 watts. W9KFE came mobiling down from Champain Ill mobile. W4NUQ and W4HKT are using SSB on 29.6 mcs.

W4IHE is active mobile from Henderson. W9OG is on between his new Masonary hobby. W9RDJ installed his new modulation transformer in the viking and is working out again. W9YZ0 is in Chicago on medical business with the International College of Surgeons. Doc is anxious to get back home and on the air again. 73.

Civil Defense

By W9FJI

W9UMS, K9AZK, W9MZE, W9WUH, and K9EEY operated at the Mesker Park Guy Lombardo show.

You might be interested to know the Lat and Long of various points in Evansville.

WJPS	Lat	38° 03'	Long	87° 35'
WEOA	Lat	37° 58'	Long	87° 34'
WFIE	Lat	37° 59'	Long	87° 35'
WGBF	Lat	37° 59'	Long	87° 28'
SIGECO	Lat	37° 58'	Long	87° 33'
W9FJI	Lat	37° 58'	Long	87° 32'

The difference between WKY and WFIE is Long of 11 seconds. From this you can estimate your own.

TARS CONTESTS

 * HONOR ROLL *
 ** W9NAT **
 ** W9NAT **
 ** W9DGA **
 ** W9BBW **
 ** W9DGA **
 ** K9AZK **

A change has been made in the September TARS contest.

A regular transmitter hunt will be held Monday evening September 23, at 7:30 pm. Meet at Bossie Field Ball Park parking lot on the north side of Bosse Field to have your speedometers check. Time is not important, but the distance traveled. Robby and Paul are handling the details. 29.6 mcs will be used. Here is a chance for you to get your call listed under the TARS HONOR ROLL.

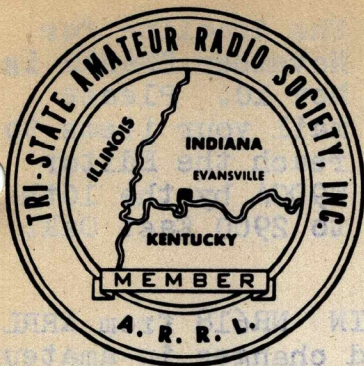
The deadline for October SPARKS is October 10. Please mail your items to 2900 east Oak in plenty of time.

EVANSVILLE HAS NEW HAM. Ralph N Harder, W4NLJ/9 an electrical Supt of the new Alcoa Plant in Warrick County is from Tennessee. He started the Alcoa fone net on 40 fone each thursday evening. He lives at 1515 Red Wing Drive, in Audubon Terrace just east of the city. A DX-100 and a HQ-110 make up the equipment. He used 75 and 40 meter phone mostly. Welcome.

W9ZYV works W9PNE each evening on six meters. Get your license forms to the Motor Bureau early. Help them to help you. K9GOE received his conditional. Has worked 44 states as a novice. He uses a Globe Champion, SX-99 and a trap type antenna. W9FJI works the MARS fone nets.

The AREC is the basic structure of amateur emergency communications.

Indiana's New Section Communication Manager of ARRL is W9TQC of Indianapolis. Art will take over from W9NTA October 15. Congratulations are in order for W9NTA for the fine job he has done in the past and to W9TQC for being elected. I am sure Art will do a fine job. W9TQC was at the TARS Hamfest so he is not new to the Evansville group. Art works in QIN, IFN, and the RFN nets, and is manager of QIN for long time.



SPARKS

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Tri-State Amateur Radio Society

EVANSVILLE, INDIANA

AN AFFILIATE OF THE AMERICAN RADIO RELAY LEAGUE

A MEMBER OF THE INDIANA RADIO CLUB COUNCIL

RETURN TO
Main P.O. Box No. 51
Evansville, Indiana



TO

Clifford McGuyer
2900 E. Oak Street
Evansville, Indiana

October 1957 SPARKS

COMMENTS FROM YOUR PRESIDENT

By W9OG

The October meeting will be the annual election of Officers, two Directors, and an SWL Director.

Also a program of suggestions concerning conversions of surplus equipment for two meter operation.

New IRCC officers elected at the fall meeting include W9WTY Chm, W9IHO Vice-Chm, W9FJI Secty, and W9CDW Treasurer.

Some of the new calls not listed in the Mobile News Column by W9AIN include, Robert Hirendeem KN9JQX, Richard Wilson KN9JQJ, and Luther Kent Jr KN9JQV.

I am recommending as many members as possible to subscribe to the BISON, the monthly paper of IRCC for \$1.00 per year. Give money to W9AIN. Butch Singer has a limited number of Indiana Net Directories at 25%.

Have been confined to bed with the flu, but will see you at the next meeting to be held at the Community Center, 8th and Main Sts, Wednesday October 30, starting at 7:30 pm.

The new K9-W9QSL manager is W9DSO, who will be assisted by the Tri-Town gang of Homewood Illinois.

* HONOR ROLL*
* W9NAT *
* W9NAT *
* W9DGA *
* W9BBW *
* W9DGA *
* K9AZK *

The deadline for November SPARKS is Nov 10. Please mail your items to reach the Editor W9DGA by the 10th to 2900 East Oak.

OFFICIAL BULLETIN NR618 from ARRL FCC has proposed changes in amateur rules governing notice of portable, mobile or other operation away from authorized home location. Proper notice would henceforth be adequate for periods up to one year instead of the usual thirty days at present time. Notice would include specific address at or through which licensee could be reached and also, when mobile, the vehicle license number.

OFFICIAL BULLETIN NR 621 from ARRL Signals from the satellite have commanded wide interest among amateurs. The early assistance of amateurs was appreciated. Mr J T Mengel, head of the Tracking and Guidance Branch of Project Vanguard, has advised ARRL as follows quote There are an increasing number of minitrack fixes on USSR satellite readings so that observations by amateur and volunteer radio observers are no longer required. The US Naval Research Lab expresses its thanks for the splendid cooperation provided by these amateur and volunteer observers unquote.

2

R CA

TEST EQUIPMENT
TUBES PARTS

HALLICRAFTERS

RECEIVERS
IN STOCK

COMPLETE LINE OF MIKES, COAXIAL CABLES, RELAYS AND MOBILE ANTENNAS

OHIO VALLEY
SOUND

20 EAST SYCAMORE - 1/2 BLOCK EAST OF MAIN

By W9AIN

Your Society "The Tri-State Amateur Radio Society, Inc.," has been busy in 1957. In addition to our regular meetings, officers monthly meetings, a successful Field Day, and Hamfest. Now we have results from our school with a number of new calls in town.

Paul Wurtz is now K9JFX, Bonnie Wurtz is KN9JVC, Norman Oeth is KN9JQQ, Cecil Townsend is KN9JQK, Charles Greene is KN9JQY, Mike Blake is KN9JRI, Ray Massingham is KN9JQS, Jim Russelbury is KN9JON, Robert Gordon is KN9JXJ and there are many more which we haven't heard from yet. The class is continuing on the required theory for the conditional license. Our President Ray Miller W9OG, the Vice-President Charles Robertson W9MKZ, directors McGuyer W9DGA, and Harkins W9WUH, with the help of W9AYH, W9RDJ, and Treasurer W9AIN have spent evenings conducting code practice and theory instruction.

Now is the time for all members to be thinking about the future for our organization and October is the time when everyone to exercise his choice for officers for 1958. The date is October 30th, come out and make yourself heard. The meeting will be held at the Community Center at 8th and Main Streets.

3

The November meeting will be our annual dinner meeting with entertainment for both the OM and XYL. Let your president know what you desire for a program on Nov 27.

The fastest mobile is the news of the day on 20 and 40 mcs. The Russian satellite (Sputnik) was heard in Evansville by more than a dozen (of course some heard what they thought was the satellite) by more than a dozen amateurs.

Our mobile activity is also picking up with W9WUH as Emergency Coordinator we can expect some real activity on Monday evenings and also many interesting new emergency plans.

W9WUH, W9FJI, and W9OG spent Sunday mobiling to Purdue University for an Indiana Radio Club Council meeting.

K4JGY, W4TBU, W4CSN, and W4NUQ are active on 29.6 mc in Henderson. They report a couple of truck loads of ham gear obtained for RACES which includes 14 two kw gas driven generators. The Owensboro gang have transmitter hunts on 75 meters with a big feed at the end of the rainbow. They start at 9 AM on Sunday morning and have a 30 mile radius to hide the gadget. Jim House with Dennis Warren, Ken Hodges and Buford Hawes won in Sept in only one hour and ten minutes. (Continued on next page)

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WATTERMAN SCOPE.....	35.00
3-30 GONSET CONVERTER.....	30.00
S-40B, A DANDY FOR.....	65.00
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"EVERYTHING IN RADIO AND TV"

CAST'RUP

1014 W. FRANKLIN ST.

Mobile News, Cont'd.
W9YFD, W9VSD, W9VZX, W9OG, and
W9AIN were all on 29.6 mcs for mon-
day evening Emergency Corps drill.

W8DPH mobile was active in Evans-
ville from Cincinnati Oct 5. W9GPR
from Vincennes was also mobile here
on the 5th. W9AMT is heard on ten
along with W9MKZ, W9WQC, and W9UMS.

The CD bus mad a trip to Princeton,
Oakland City, Huntingburgh, Christ-
ney, and Boonville.

Polish up that mobile, the skip is
in again and the DX is there just
to be worked.

YOUR HOBBY

It has been said that in pursuing
any hobby you must do one of three
things- build, collect or do some-
thing. We in Amateur Radio do all
three - We make or assemble our
station, operate it, and collect
QSL cards and Certificates. No
other hobby can say as much.

HOW ABOUT THIS

News is getting around that one of
the (Ohio) radio clubs in the state
had a traffic accident during a
transmitter hunt. The report is that
all individual members of the club
are being named in a lawsuit for
damages. I understand that a rapid-
fire incorporation is going forward
at the present moment. (TARS is
incorporated).

W9KVE and W9JFJ have been keeping
close check on the satellite Spudnik.
W9FGX is on the Cress Country team
at Bosse High School. The ARRL
records show that about 30% of all
Official Observer notices are con-
cerned with 7400-7500 kc, the
second harmonics of novice stations.

SIXTEEN AND A HALF YEARS AGO

This is a review of "QRZ" the paper
of the Southern Indiana Amateur
Radio Club of Evansville for March
1941. A biography of Harold Mc
Clellan W9WNM was given in great
detail. W9BVS installed new ant-
enna pole. W9ERN was planning on
working 75 and 20 meter phone.
W9GHN got his 30 WPM certificate
from ARRL. The late W9CCG was
going to 40 meters cw. W9DGA
received his QRS from ARRL. W9EHU
joined FTS and needs only two
states for WAS. W9UMS may change
QRA. W9GZB works 20 meter phone
and loaned a 35TH to W9BVS. W9QLW
rebuilt his oscillator and plans
on going on 80 if 40 stays as bad
as it is. W9RZM rebuilt his buffer
stage and works mostly 40 meters.
The club trophy was won from the
Montgomery Amateur Radio Club of
Alabama for last years contest. The
trophy is 13 inches high and has a
female figure on top representing
"Victory". The club is tied up
with the Red Cross and Western Union
in case of an emergency. W9YFL gave
exam to W Riney. The Editor was
W9YFL with W9QLW, W9EHU, and W9DGA.
Castrup and Wesco were advertisers.

"EVANSVILLE'S HI-FI HEADQUARTERS"

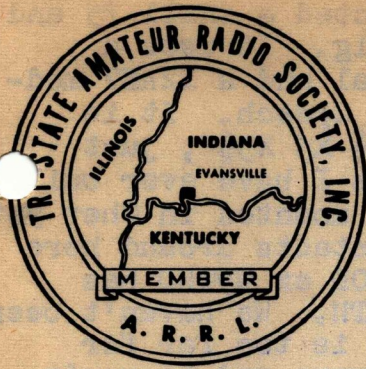
RECORD CHANGERS: FAMOUS GARRARD CHANGER IN SEVERAL MODELS

HI-FI AMPLIFIERS: BOGEN, BELL, ELECTRO-VOICE, GROMMES,
RADIO CRAFTSMAN, SHERWOOD AND FISHER

HEAR THE SPECTACULAR "GEORGIAN" AND ELEVEN OTHER SPEAKERS

WESCO

428 PENNSYLVANIA



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RETURN TO
Main P.O. Box No. 51
Evansville, Indiana

TO

Clifford McGuyer
2900 E. Oak Street
Evansville, Indiana



Dear Mac:

Greetings from California. Hope you and all the gang there at the station are ok. I hooked up with Lowell (W9RBV TARS new President) yesterday and had a long QSO with him and he also phone patched us to our folks. Jerry (XYL) talked to her mother and I got to talk to mine.

I listen for you fellows every Sat and Sunday around 1 pm CST on 29.6 mcs. If any of you are on, would appreciate a shout from back there. So far Lowell and Paul W4CSN are the only ones I have contacted back there.

I have the Viking II and NC173 on, feeding a home brewed 2 element beam. Most of C-D is on two meters. Just finished building myself a 6 meter converter, 6BK&-6U8, 6U8, with an 8 mc xtal. The NC175 tunes 5 to 5.4 mcs to cover the 6 meter band. It is a real good converter with low noise and image ratio. It is like the one that appeared in GE Ham News. The xtal is one out of a 274N transmitter. They are on the nose.

Also have constructed a small 75 and 40 meter mobile rig. It uses a 5763 osc 5763 final and a 12AN7 modulator with 12AX7 Speech. It is housed in a box 4½ X 5 X 3½", just about the smallest I have ever built. Haven't gotten it mounted in Chev yet but made a few contacts around here with it. Gil W6TOD ex W9THD has been over to my QTH. We haven't been able to QSO as he is too far for ten meter ground wave and he won't buy two meters. We are going to try 160 meters. Hear lot of boys on 160 meters out here. I haven't got much room for antennas. We have a new house with 3 bedrooms with 2 baths and a lot of built ins but the lot is all house and no room for antenna farming.

Haven't changed my call for a (6) area one yet. Have to have a K6 nailed on me. Am waiting until a few of the OT W6s kick off and try and grab one of those.

I am working for Hughes in their environmental lab, where we take equipment and components and run endurance testing on them. (next pg)

RCA

TUBES-PARTS

HALLICRAFTERS

RECEIVERS

IN STOCK

COAXIAL CABLES, RELAYS AND MOBILE ANTENNAS

OHIO VALLEY
SOUND

20 E. SYCAMORE - ½ BLOCK EAST OF MAIN ST.

TARS MAIL BAG, CONT'D.

This is sure a fabulous place this California. A lot of things to see and do. How are things in Evansville? Sure miss all you fellows. Tell Ralph hello and that I have my 522 on two meters using a coat hanger vertical ground plane. Gardena is 7 miles east of Ocean and 15 miles south of Los Angeles. 73.

Earle, W9UNT/6.

2912 W 141 st St, Gardena, California.

ARRL Bulletin NR624. Amateurs monitoring satellite signals on 20 and 40 mc are requested to keep an informal log of exact time and date heard. As Sputnik transmitter batteries run down, records of last intercepts may become important to scientists. However please DO NOT forward any intercept logs unless requested later.

DXers TAKE NOTE

ARRL Bulletin NR625. Effective Oct 18 Korea was removed from the list of countries with which amateur communication is prohibited. All amateurs therefore may now freely engage in communications with HL stations.

THE CRYSTAL CONTROLLED CARRIER

By K9EEL

A number of the alumni of the TARS code and theory classes now have their tickets. Congratulations fellows; learn to operate properly and copy accurately and you will enjoy CW.

I suppose everyone saw the Field Day results in the last QST; the "Novice" station didn't do too well but we had fun. The score would have been better if W9LIT had relayed our Field Day message. What happened?

K9AZK had his call in QST four times this month. He did the unusual -- Walt worked three calls ending in USA within two hours. K9EYD now has a beam on 20 along with his HQ-100 and DX-35. One of our new novices has the call KN9JQJ; I wonder if he will be the first novice to receive DXCC? (KN6JQJ was the first novice to receive WAC). K9AYH has returned from a recent trip to DL land. How many saw the nice article about W9FHA in the Press? W9FHA, K9AZK, and K9AYH

are contemplating a six meter rag-chew net--perhaps. I suppose a number of the new novices are interested in receiving Sputnik. It can probably be best received on 20,005 mc. I know it is possible for an S-38-C to receive it so you need not worry about the sensitivity of your receiver. I am off the air now while K9JSK, Paul Wurtz, repairs the NC-88. Also busy working weekends at WIKY. Attend the December meeting of TARS for a big auction. You can pick up lots of good equipment for a song.

KN9EKV is expecting his conditional. K9AZK is up to 20 countries and all states except Nevada. Walt is using a nice ground plane on 20 meters and it is really up there. The conductor is 1½" conduit.

There is a movement afoot to start a ham club for teen-agers at the YMCA. This could be a good deal, provided it does not interfere with the official activities of TARS.

The call book in a few months will probably have an inch or so devoted to consecutive calls in Evansville; a direct result of the TARS classes. New novices, be sure you have some form of Conelrad Monitor. Any BC radio will do. Simplest thing to do is to hook the speaker output to a flashlight bulb and turn the volume up so the bulb flashes with fair regularity. Remember 15 meters is the band for the more experienced novices. It is best to raise your code speed to 10 WPM or so and learn the basic operating abbreviations.

K9AZK is working on a six meter rig. Congratulations to Walt for his election as secretary of TARS. W9FHA has a ten meter converter in his car now. K9AYH is rebuilding his Globe Trotter into what no one knows. K9EEL has WAS total of 38/35. K9EAC has received his conditional and uses an HRO-7 and DX-35 and works 40 meters with a three wire folded dipole.

As yet there is no TARS novice to make WAS, DXCC, or WAC. Lets see who can be the first to get any one of these three. Maybe you had better start with WAS hi. Give me your news so it will get in TARS SPARKS.

By W9FJI

Al, W9UMS the RACES Radio Officer Has a class comprised of the local Coast Guard Reserve, the summer boating broke most of that up in a hurry. Ed, W9ABW was the teacher for the summer, Gordon, W9MZE helped while home from TRI-STATE at Angola, and Al carries on at home with the ones left.

Two graduates of the CD classes are KN9JUR, Ed Wiggers and KN9JUS, Ruth Ann Schoettlin.

K9JQH is Father Charles Schoettelkotte, Director of the Evansville Catholic Charities, and a very busy man, but still finds time to get his conditional license as well as wire up a Heath VFO and has plans for a DX35. Father Charles as well as those who studied under the CD class plan to use 50 mc in their boats on the Ohio River, for safety work as for communications back and forth.

The fall IRCC meeting was held at the Student Union Building of Purdue University at Lafayette. Attending from TARS was W9WUH, W9OG, and W9FJ. W9TQC reported Indiana has led all sections of the ARRL in traffic reports. The BISON has 200 subscribers and various means were discussed of means to increase the list. Clubs from Bloomington and Shelby County were approved for membership in IRCC. IRCC made \$37.77 from the Indianapolis Picnic reports W9JJC. W9QYQ was presented the Outstanding Amateur Award from Indiana for 1956. Sketches of proposed emblems were passed around for opinions. W9CC, W9CDW, W9QYQ, W9RTH, W9TQC, W9WTY, and W9BUQ received the Hoosier Courtesy Awards. W9NTA thanked all for their help in his term of SCM. A net directory is available for .25 ¢ of all Indiana net personell. It was printed by KN9IXD. The picnic next year will be held at Lafayette and will be supervised by the Tippecanoe and Purdue Radio Clubs. New Officers included W9WTY, W9IHO, W9FJI, and W9CDW. Dir's W9QYQ, W9NTA, W9CMT, W9M

"EVERYTHING IN RADIO AND TV"

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radio supply

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TARS ACTIVITIES ***SPARKS NOV 1957.

By W9DGA

BIG AUCTION

The regular meeting of the Tri-State Amateur Radio Society, Inc will be held Wednesday November 27 at the Community Center, 8th and Main Sts starting promptly at 7:30 pm.

W9JFJ TO BE TARS AUCTIONEER

An attempt will be made to get Howard Campbell W9JFJ to be the auctioneer. As Humpy has had lots of experience things will be pop'in. Bring your useable gear and Humpy will surprise you with what ease someone will purchase it.

TARS TO GET 10 PERCENT

As usual TARS will get 10% of the sale price to cover handling costs, etc. Make your plans to come early and be there with bells on.

DECEMBER MEETING CHANGED

Because the regular December meeting would fall on Christmas it has been changed to Wednesday December 18, one week earlier.

CONGRATULATIONS

Congratulations are in order for the following. To W9RBV for being elected president, to W9AIN for vice-president, to K9AZK for Secretary, and to W9OG for Treasurer. Congratulations also to the Directors that were elected, W9OVb and W9WUH.

THANKS

Thanks to Ralph Harder K9JOB for a nice talk on two meters at the October meeting.

***** LAST CONTEST *****
* HONOR ROLL *
* W9NAT * TARS last contest of
* W9NAT * 1957 will be a states
* W9DGA * QSL contest. Begin
* W9BBW * December 1 and quit
* W9DGA * in time to get your
* K9AZK * cards to TARS Dec-
***** ember meeting.

As I will be working that evening W9AIN has consented to judge the QSL cards presented. Submit cards dated as above from California, Nevada, Utah, Colorado, Kansas, Missouri, Illinois, Indiana, Kentucky, West Virginia, Virginia, Maryland, and Delaware. the DC counts as Maryland. This is sort of a 38th parallel test.

DECEMBER FOURTH DEDLINE

December 4 will be the deadline for December SPARKS. As the meeting is moved up one week this earlier date is necessary. If you have anything you would like to see in SPARKS send it to me, W9DGA, 2900 East Oak Drive before the 4th of December.

OUR PRESIDENT IN HOSPITAL

Ray Miller, W9OG, our president was in the St Marys Hospital the second week of November. Nothing definite to report, but we all hope Ray gets feeling better real soon.

FOR SALE

TARS two wheel trailer which formerly carried our 3 KW generator. Excellent condition and will carry a half ton. First offer over \$40. may take it. Call W9AIN at GR64238. Unless a bid is received from a TARS member within the next 30 days an ad will be placed in the newspapers.

MOBILE NEWS

By W9AIN

Dick K4JGY is heard mobile several evenings a week to and fro from the evening classes at Evansville College. W9LVL is still after the DX while mobile. Jim recently worked a GM6. (Who remembers GM6RG on ten before the war? What an antenna. Ed). W9ENZ is mobile and has been helping others to become amateurs. Our regards to W9OG who is at this time resting in St Marys Hospital. After an attack of the flu, our Skipper was sent to the hospital with a disorder now being investigated. (Nov15). Hurry up and get well OM. W9GFS reports the GE Ham News will soon put out a small receiver to follow our mobile converters. W6UJQ was mobile in Evansville. (next page).

MOBILE NEWS, CONT'D. W4CSN is heard on this side of the river every week end and W4PKX is very active mobile. W9HVI visited home. W9UNT/6 has had good contacts with W4CSN and W9RBV...See you at the meeting. 73.

News from here and there.

W9GFS has completed a special Professional Business Management Course. K9HCG received his conditional license. KN9JQW has DX20, NC88, and single element beam for 15 meters. W9OG and W9RBV are both working CW. K9JSK put up new antenna. W9JFJ and K9HCG are putting Johnson Viking "Five Hundred" transmitters. KN9JQY has DX 35 and NC-125. KN9IIV used a Globe Scout and SX-71. Scotty Chase is now KA0SC on Iwo Jima. W9ZYV built a low frequency receiver. KN9JQW has a broken leg. W9JFJ has new Johnson "Match Stick" antenna. W9MWM is preparing for a new transmitter. KSA931, the Evansville Police Department has a new 155 foot antenna. It is a thing of beauty to see. W9FFH is now W1IOW. W9ZHI is in the Marines. It looks like the 2nd and 6th call area will start issuing WA2 and WA6 calls according to the MIDWEST CLIXS.

W9WUH reports reading in the Washington Indiana newspaper about a XL 75 years of age living on highway 50 East of Washington. It made the front page. Her name is Perrine and the call is K9BZU. The 50 mcs band has been open to Europe most every day since October 25.

An amateur service establishment, the AREC, is the basis from which stems all emergency communications utilizing amateur radio.

SIXTEEN AND A HALF YEARS AGO
This is a review of "QRZ" the paper of the So Ind Amateur Rad Club of Evsl, for May 1941. A biography of W9GFS was given in detail. W9UMS was thinking about buying an NC200, and was constructing a new 160 meter rig. W9ZZY was a new ham in town. W9DDH (Now W4MWX in Henderson) joined the AARS and entertained W9MJW from Mt Vernon. W9UNI from Tell City had his house burn down, or so it was ~~rumored~~ rumored. W9QLW worked WAR. W9UIA built a nice code practice machine. W9DGA has transmitter under complete overhaul as result of BCI. New members were W9GZB, W9MWM to be, and W9PWS. W9GFO worked Del and R I on 40 cw.

"EVANSVILLE'S HI-FI HEADQUARTERS"

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RECORD CHANGERS - AMPLIFIERS - CROSSOVERS - SPEAKERS

TV, RADIO PARTS - HAM GEAR

WESCO RADIO PARTS

428 WEST PENNSYLVANIA



SPARKS

PUBLISHED BY AND FOR MEMBERS OF THE

Tri-State Amateur Radio Society

EVANSVILLE, INDIANA

AN AFFILIATE OF THE AMERICAN RADIO RELAY LEAGUE

A MEMBER OF THE INDIANA RADIO CLUB COUNCIL

RETURN TO
Main P.O. Box No. 51
Evansville, Indiana



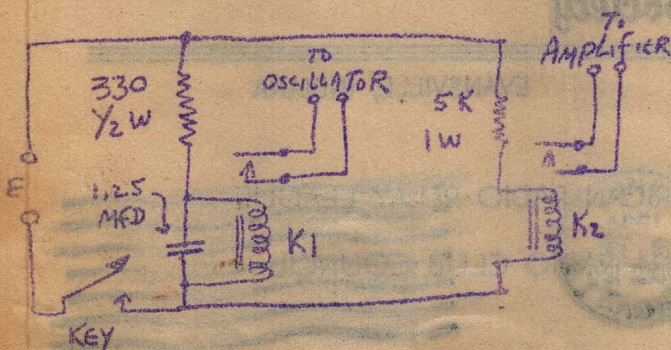
TO

Clifford McGuyer
2900 E. Oak Street
Evansville, Indiana

A DIFFERENTIAL KEYS

By W9PNE

A circuit was set up with two Potter and Brumfield LB5, 5000 ohm relays, each coil resistance, as per the QST circuit-this was in March 1957 using other relays-page 28. The necessary experimental work was done to get the pull-in and drop-out differential. I feel that the 2 ma delay between the closing of K1 and K2 is insufficient. I think that from 2½ to 4 ma delay in K2 on closing the key is more realistic in the time amount for the oscillator chirps and transients to die out. Here is the circuit.



Keyer of W9PNE

When E is 80 volts, K1 pulls in at 4 ma before K2 and on opening the key K1 opens 4 ma after K2.

When E is 90 volts, K1 pulls in 2½ ma before K2, and on opening the key, K1 opens 4 ma after K2.

I am still working on calibrating the maximum keying speed this unit will follow. This will come later.

P&B LB5-5K relays are available at all P&B distributors for \$2.55 each.

LOCAL AMATEUR MAKES WAC

Howard Campbell, W9JFJ has submitted to the ARRL the necessary card-boards to qualify for the award known as "WORKED ALL CONTINENTS". The large beautiful certificate now hangs on the wall of Humpy's shack. Congratulations are due him. Other WAC holders in this area include W9HQF, W9FGX, W9YFD, W9UIA, and W9DGA. The qualifications for this award are to submit proof of two-way communications with at least one station on each continent. Quite a feat.

"EVANSVILLE'S HI-PI HEADQUARTERS"

MERRY XMAS

"AND BEST WISHES FOR A HAPPY NEW YEAR"

FROM THE GANG AT

WESCO

428 PENNSYLVANIA ST.

TARS ACTIVITIES

By W9DGA

TVI ON THE UPSWING LOCALLY

A sudden rash of Television Interference caused by local amateurs started to appear about the middle of November. This included interference to the UHF channels also.

The Evansville State Police Post reported almost being wiped out one Sunday morning until the offending amateur could be located. Even one amateur working twenty meter CW was playing havoc with 154.89 mc at the local police radio station. He was not listed in our call book so was not notified. This same station has key clicks and thumps that can be heard over the entire band.

This would be a good time for all to check on over-modulation with its evils, on key clicks and thumps, and harmonics. Just because your transmitter is a "commercial job" that is no sign the above can't develop. An improperly tuned Pi Network can give very little harmonic attenuation.

While on this same subject a note to CW men on changing frequency. It is very poor manners to "swish" from one frequency to another with the final stage on. Use an "anti-swish" or "zero" switch that allows zero beating with just the oscillator on. When you change frequency in this manner you interfere with all stations that you pass over. With your final off no one but you hears it.

JANUARY FIFTEENTH DEADLINE

January 15 will be the deadline for the January issue of SPARKS. If you have anything you would like to see in SPARKS send it to me, W9DGA, 2900 East Oak Dr before January 15.

 * HONOR ROLL * As announced last
 * W9NAT * month the last con-
 * W9NAT * test is to have QSL's
 * W9DGA * from Cal, Nev, Utah,
 * W9BBW * Colo, Kans, Mo, Ill,
 * W9DGA * Ind, Ky, W Va, Va, Md,
 * K9AZK * and Del dated Dec 1
 ***** to Dec 18. Give them

TO AGAIN BE PRESIDENT AS I WILL have to work that evening, Dec 18.

TARS MEETING DECEMBER 18

Because the regular December meeting would fall on Christmas it has been changed to Wed, Dec 18. I am unable to advise the program, but at least the new officers will be installed. 7:30 pm at the Community Center as usual. Be there.

AUCTION A SUCCESS

The Nov auction was a booming success due to the talents of the auctioneer, W9JFJ. Humpy has consented to put on another TARS auction for the February meeting. Start now making your plans for this event.

MERRY CHRISTMAS AND A HAPPY NEW YEAR

To all from the SPARKS staff. W9MWM advertisement layout, W9BBV printer and circulation, and W9DGA Editor.

COMMENTS FROM YOUR PRESIDENT

By W9OG

The last words of this writer will be very short. First thanks to each and everyone for all of the cooperation received during the past year.

Our activity has been waning lately, but with renewed effort and a new team to guide the club, increased activity can be had. Some of the goals set at the first of the year vanished in thin air, partly my fault.

As a dying request, I ask that you support your new officers, in the hope that the year 1958 will warrant greater participation by many more of our members and prospective members.

At our election I questioned the propriety of young members being elected to the official family. Upon further consideration, it appears that new and younger blood mixed with older and more mature blood should be good for our Society.

W9PNE has bought a Vibroplex Presentation model bug. Brice then went on 75 meter phone for the SS test.

We are closing out another year and the holiday season is with us. 1957 has been a good year for amateur radio since the sunspot cycle is favorable. Many of us are hearing and working countries we never hoped to work.

1957 has brought us many new conditional licenses to the tune of about 50 which is a very good sign amateur radio will always be a worth while hobby in Evansville. Within this new group we have a number of brilliant young minds who will make a name for our organization, our community and the scientific art.

Activity on 29.6 has been interesting with K9HCE being our latest mobile with W9GFS, W9WUH, W9UMS, W9OG, and W9RBV being active. W6TOD ex W9THD has been working 29.6 at 9AM CST. W9UNT/6 is working back home from California with W9RBV and W4CSN. Haven't heard from W6PKM but since his XYL is from here, am sure he is listing. W9GEO has a new transmitter. Others active on 29.6 were W9RBV, K9GBB, W9VSD, W9GSC, and W9VQW. A Very Merry Christmas from W9AIN.

Does every one have their call plate forms for Indiana 1958 plates?? It is not too late to send them in tho delivery may be delayed.

I have a full supply of the IRCC Net Directories and would like as many as possible of the local Novices, and other hams too to get their copy.

We should have at least 25 subscribers to the BISON. Mighty poor group that can't afford to boost their own state organization. Am sure the \$ a year would hurt no one at all. Actually there or only four or so who subscribe.

A word of caution should be directed to the new Novices, don't forget to watch your harmonics. A new ham recently blocked the State Police on Hwy 41. Be sure your transmissions are on the band you want them to be on. There are several Official Observers in town who will be glad to help you to clean the signals.

I have for sale a BC-348-B receiver for sale, external pwr supply and spkr. Call HA46086 after 6 pm. It is priced very reasonable.

SEASON'S GREETINGS

FROM PAUL AND IRENE

CAS'TRUP

"EVERYTHING IN RADIO AND TV"

1014 WEST FRANKLIN STREET

TRI-STATE AMATEUR RADIO SOCIETY, INC. APPLICATION FOR MEMBERSHIP.

Name _____ Call _____ Phone _____
 Address _____ Zone _____ City _____
 State _____ Adult _____ Occupation _____ Student _____ School _____
 Member of ARRL _____ AREC _____ CD _____ Other _____
 Fixed equipment _____
 Mobile equipment _____
 Portable equipment _____
 Previous calls _____ Previous membership in TARS? _____

APPLICATION FOR SUBSCRIPTION TO SPARKS

Name _____ Address _____
 City _____ Zone _____ State _____ Call _____

MEMBERSHIP. \$4.00 per year includes Society membership and the SPARKS publication. Students, \$2.00 per year.

SUBSCRIPTION. \$1.00 per year for those unable to fully participate in TARS activities.

(For Society use, do not fill in.)

1. President _____ 2. Treasurer _____ 3. Sparks _____
 (Initial and date)

TARS NOTES

By W9RBV

W4CSN is the president of the Henderson Amateur Radio Club. The vice-president is K4JMB, with W4TBU the secty-treas. They meet the 3rd Monday at 8 pm at the YMCA. An AREC drill is held on the 4th Monday on 29.1 mc, with a CD drill held the first Monday on 3.87 mc then dropping to 29.1 mc. They have 19 in a code class that meets 8 pm every Wednesday night at the Community Center. An average of 16 to 18 stations report in on drills.

Please check your address as listed on the front of this issue. If it is not correct, a note to PO Box 51 will correct it. If lacking a 3¢ stamp call me at GR70168. Please include

your postal zone number when making address changes or application, for membership in the TARS Society.

MAIL from W9GHK at Bloomington Ind.

Had QSO with KL7BTP, Kermit Seifert PO Box 217 Homer Alaska on Nov 29. He wishes a schedule or contact with an Evansville ham or vicinity for phone patch to his folks in Mt Vernon. He wants anyone interested to listen around 28.6 to 28.8 mc 5 pm CST. He wants TARS members notified and sends regards to all.

AREC NOTE

from W9WUH

Members of AREC should send their membership cards to John Harkins, 1912 Haven Drive, or bring them to a TARS meeting and given to the EC.

K9HCG has completed his Johnson 500 and is really working out with good signal reports. W9URQ has 20A SSB unit. W9VZX has four element beam up 60 feet. W9KVE is building a 3 element beam to go on top of his 52 self supporting tower. Lefty works mostly SSB. K9AYH is building a 6 meter transmitter. K9HCE has Viking II. W4CZM of near Lexington Ky has DX TVI record, Miami Fla. Is this you? "This is K9*** signing off and clear looking over the band, going QRT, and standing by for any possible final!" Listed in the ARRL DXCC list are W9HQF 150, W9PNE 130, W9DGA 120, W9YFD 106, and former TARS members W9EHU, 104 and W9QLW 100. W9ZYV received WAS #8003. W9HRH works 20 CW each Sunday morning. The newest ham in town is Ron Kelley KN9KIS. He is a graduate of the TARS class. W9DGA has been on 15 meters. Nephew of W9FJI in Ill is KN9KIM. The Johnson 500 of W9JFJ is nearing completion and should be on the air in the near future. Those Johnson 500 are sure a nice piece of radio gear. Send your news to SPARKS.

REPRINTED FROM KEY-KLIX OF THE SANTA BARBARA AMATEUR RADIO CLUB, CALIF. (Re TVI) As many as fourteen calls were taken in one evening!....since most of the people calling threatened violence to the hams and would not heed the advise to have hi-pass filters installed, I gave them the address of the FCC.....This does NOT mean the amateurs were not at fault, ...Let me remind all that the FCC as well as your TVI committee feel that, unless you use an antenna tuner, low pass or band-pass type filter, you do not have a "technically qualified" transmitter. Another trouble noticed is the prevalent use of over-modulation. Get a scope and set that gain control for slightly less than 100% modulation. I listen on the various bands and shudder at some of the "stuff" called ham radio. I can hear some of the AM splatter for 100 kc! (From and Editorial by W6DOB).

Misrepresentation of facts is not intended in SPARKS therefore any items and/or statements printed herein cannot be construed to be injurious to the character or slanderous. An interpretation otherwise is coincidental.

HAPPY

HOLIDAY

From Earl and the Gang at

OHIO VALLEY SOUND

20 East Sycamore ** $\frac{1}{2}$ Block East Of Main